



1/6

*Long...*  
*Hy...*  
*Co...*  
*17...*



Telephone No.:—  
DUBLIN 62286.

ÁRD-MHÚSAEUM NA h-ÉIREANN  
(National Museum of Ireland),

SRÁID CHILL DARA  
(Kildare Street)

BAILE ÁTHA CLIATH (DUBLIN),.....19....

*Schneumon* from Killarney district NK.  
named & returned to E. J. ...  
21. 2. 33.

*Coelichneumon* sp. near *comitator*, cf. *bistrigatus*  
1 ♀. Sept. 1927. "Hill ...". Same as my Hlyr.  
♀ from near Woodstock, Killarney, June 1932.

*Diabours* sp. (♂?) Same as my Ballyhenry ♀  
"Killarney. June 1930"

*Scolobates auriculatus* (♂?)  
"Lake shore, Kenmare Estate,  
Killarney, July 1930."



SAORSCÁT ÉIREANN

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SRÁID CHILL DARA  
(Kildare Street)

BAILE ÁTHA CLIATH (DUBLIN),.....19.....

*Ichneumon* from Killarney district, NK.  
named & returned to E. F. Bullock on  
21. 2. 33.

*Cochlichneumon* sp. near comitator, cf. virgatus  
1 ♀. Sept. 1927. "Killarney". Same as my <sup>Hlgr.</sup>  
♀ from near Woodstock, Kilkenny, July 1932.

*Diabrom* sp. (♂?) Same as my Ballyhenry ♀  
"Killarney. July 1928"

*Scolobates auriculatus* (♂?)

"Lake shore, Kenmare Estate,  
Killarney, July 1930."



1/6

Being of the same  
Hydrogen  
collected in the same  
1922-23





List of hymenoptera from Kerry returned to E. F. Bullock, on 4/11/1933. then Miller, W-W, also later.

*Rhyogaster anceps* 2 or 3. *Tenthredopsis* valley just red & black ♀♀; *T. lilias* brown ♀♀. Hazel, alder, 1.

*Tenthredella* ... *T. ferruginea* var. *Pezomachus*, ? or *T. monobata* ♀♀ pale stigma & on roadside. all black, rather short antennae & just 4 ♀♀ seen } true or red on 4th-5th segment.

*Metopius micratorius* 2 or 3, Killarney, NK. 4.

"Sept. 1927" & "July 1928".

*Amblyteles glaucatorius* 1 ♀ with black scutellum. black, ♀ off oak.

"Woodlawn, Killarney. 4.6.30". NK.

"*oratorius* 2 or 3.

*Ichneumon deliratorius* 2 or 3.

*Platylabus dimidiatus* 1 ♀ ~~ANTBAGH~~ (2) 28.4.1931.

Ballast-pit, Killarney, NK. "5.8.27"?

*Habrocryptus minutus* 1 ♀

"ANTBAGH" (2) 28.4.1931.

Arvagh!

(Also 2 small *Proctotrupids* unnamed!)



List of Hymenoptera from Kerry returned  
to E. F. Bullock, on 4/1/1933.

Rhyogaster aucuparia 1 ♂, 2 ♀♀. Tenthredopsis  
red & black ♀♀; T. liliae brown ♀♀.

Tenthredella atra 1 ♀. T. ferruginea var.  
? or T. moniliata ♀ ? with pale stigma &  
all black, rather short. Antennae & just a  
trace of red on 4th-5th segment.

Metopus micratorius 2 ♂♂, Killarney, NK.  
"Sept. 1927" & "July 1928".

Amphiteles glaucatorius 1 ♀ with black scutellum.  
"Woodlawn, Killarney. 4.6.30". NK.  
" " oratorius 2 ♂♂.

Ichneumon deliratorius 2 ♂♂.

Platylabus dimidiatus 1 ♀ ~~ANBAGH~~ (P)  
28.4.1931.  
Ballast-pit, Killarney, NK. "5.8.29" (?)

Habrocryptus minutus 1 ♀

"~~ANBAGH~~" (P) 28.4.1931.  
Arvaagh!

[Also 2 small Proctotrupids unnamed!]





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**ÁRD-MHÚSAEUM NA h-ÉIREANN**  
(National Museum of Ireland),

**SRÁID CHILL DARA**  
(Kildare Street)

**BAILE ÁTHA CLIATH (DUBLIN),.....19.....**





AN ROINN OIDEACHAIS  
(Department of Education),

ARD-MHÚSAEUM NA h-ÉIREANN  
(National Museum of Ireland),

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SAORSTÁT ÉIREANN

BAILE ÁTHA CLIATH  
(Dublin).

Canon J. Foster's captures 1932.

Bombus muscorum 3♂♂, 1♀. Gortan, Co. WD. Aug. '32.

Andrena jacobii 1♀. Saintfield, Co. DO. 31. 5. '32.

Halictus <sup>freygessneri</sup> ~~calceatus~~ 2♀♀ " " "

Nomada hibernica 1♀ " " "

Megachile versicolor 2♀♀ Strangford. DO. June 1932.

Fly: Arctophila musitans. Gortan, WD. Aug. 1932.

Nomada marshamella 6♂♂, 1♀. Finnebrogue Co. DO.  
30th May 1932.

Andrena jacata 1♂. " " "

Andrena albicans 1♀ " " "

Nomada ruficornis 1♂. " " "

Halictus freygessneri 1♀ Gortan, WD. Aug. 1932.  
P. T. O.



18<sup>th</sup> September 1932. Dull chilly first, then milder,  
rain at 2.0 pm. Windy in morning (NW-W), calm later.

Glenree Co. WI. Scrub in tributary valley just  
W. of Knockree. All beaten off hazel, alder,  
oak or willow, except the larger & Pezomachus,  
which was taken on Carduus arvensis on roadside.

Bombus agrorum ♂♂ & ♀♀. B. lucorum ♀♀ seen &  
George on summit of Knockree.

Athalia cordata <sup>✓ 4/9/32</sup> 2 ♂♂ beaten off oak.

Platylabus rufus, (?) very dark, semi black, ♀ off oak.

Homocidus pallipes, 30707, 1 ♀ (101 certainly on Salix!).



2.

18.9.32 cont. Glencree, Co. WI cont.

Musca

Alomyia

Empididae

Helicoverpa

Eulophus

Phaenocarpa

Aspilota

Proctos

21<sup>st</sup> Sept. 1932. A beautiful day with clear sky & warm sun: cool E. breeze.

3.0 till 4.30 PM.

Slopes E. of lower reservoir, Glencree, Co. WI.

Bombus jonellus, beautiful fresh ♀ seen in dam.

B. agrorum ♂♂ & ♀♀ plentiful in Scabiosa etc.

Stenobothrus culpator, black ♀.



25th Sept. 1952

very strong S.W. wind  
2.0 PM. ...  
by, beating, but the ...  
net & most of the ...  
by sweeping grass, ...  
11.30 till 2.0 PM.

Glencree, Co. WI. Tubing ...  
Knockree, ...

*Bombus agrorum* ...  
*Campoplex* ...  
*Pimpla ventralis* ...

*Dithenia protuberans* ...

*Stenomacrus ventralis* ...

3 *Phaenocarpa* ...

*Homocidus pallipes* ...

*Proctos?* ...



28th Sept. 1932. A beautiful day!

In aft. drove car to Greystones & stopped to collect at SE. corner of Glen of the Dorn, Co. WI. Here the Forestry Dept. are wondrously cutting down the oak-wood.

Bombus agrorum seen. Athalia cordata 1 ♂ (✓ 5/3/33).

Pimpla turionellae ♀.

Phygadeuon

Phygadeuon

Stenomacrus ventralis ♀♀ on oak. S.

1 ♀ on oak.

Blacus

Daenusa areolaris ♀♀ abundant on oak, &c.

Meteorus

Brachymeria

2nd October 1932. A very stormy day, NW gale, cool & keen; but almost all sunny, with just a skiff or two of rain. 11.30 till 3.30 pm. Insects very scarce!

Oak wood, on S. slope of Barrick Mt., E. of Glencady, Co. WI.

Bombus agrorum a few seen. B. muscorum a few ♂ or ♀ (✓) flew into motor near Ballylahry!

Pimpla quadridentata ♀♀.

Cratichneumon

2.10.32.

Glencady, Co. WI, cont.

Campoplex ♀, small.

Promethes scutellatus ♀, in trap in wood.

[Homocidus flavolineatus? ♀ flew into car near Killadreena, WI.]

Mesoleptus ♂.

Orthocentrus ♂. Stenomacrus ventralis 1 ♂ in trap.

Gyracampa affinis in trap in corner of field.

Daenusa areolaris 1 ♀ only. D. pilipes 1 ♂ in trap.

Allura contracta? 2 ♀♀ in woods.

Colletes braconius? 3 ♀♀; one large, two smaller; in woods.

Apanteles 2 ♂♂.

Meteorus 3 ♀♀ in rushy field.



8.

5th Oct 1932. A perfect day! but sun too hot to permit beating with success. 3.0 till 4.0 pm.

Powerscourt demesne, Co. WI. Right bank of river just below deer park gate & for 1/4 mile N.

M.S.S. saw one Bombus!

Sternocerus ventralis ♂ & ♀♀ seen.

Apanteles 2

Chalcid 1

Phygadeuon 1

Metacoelus 2

M. unicolor? 1 ♂, 1 ♀

Exochus 1

Dacnusa areolaris 1 ♂, 1 ♀

Agrocyba affinis 1

Aphidius 1

9.

9th Oct 1932. The second of two perfect days, with very low barometer.

Coast for one mile N. of Balbriggan, Co. DU.

Most insects taken by sweeping in lane to shore 1/2 mile N. of old tip - but house or along coast or in small salt-marshes (where Glaux maritima grows!) north of this.

Bombus terrestris 1 beautiful ♀ seen.

B. lapidarius ♂ (seen by George!). B. agrorum seen.

Dacnusa gilvipes 1 ♀ - D. areolaris 3 ♀♀ - 1 ♂.

Aspilota 1 ♂, 1 ♀.

Phaenocarpa unipunctator 2 ♂♂.

Opius 1

Blacus 1

Dioctylus kerareus 1 ♂, 1 ♀

Sigalphus floricola ♂ & ♀.

Apanteles 1



12th Oct. 1932. A dull afternoon with  
considerable light rain: cold, W. wind.  
Furry Glen, Phoenix Park, Co. Du.  
Most beaten off beech, elm, or hawthorn just above  
where main avenue crosses glen.

*He miteles* 1 ♀.

*Pimpla* 1 ♂.

*Promethes pulchellus* 1 ♀.

*Colletes brevicornis* ♀♀ common.

*Sacrus areolaris* ♀♀ common.

16th Oct 1932. A fine mild day, with misty rain  
late afternoon. 12 noon till 3.30 pm.

Scrub on ~~right~~ left bank of Avonmore opposite & below  
Avondale, Co. WI. (just above 3rd railway bridge, on river  
above meeting of the Water & exactly opposite Parnell's old  
mill): = Connary & labelled

Connary  
Co. WI. NWIS.  
16.10.32.

*Bombus agrorum* one (? ♂ or ♀) seen in my blossom.

*Pimpla v-dentata* 1 ♀ swept in marsh.

" *brevicornis* 1 ♀ " " "

16.10.32 cont.

Connary, Co. WI. cont.

Small lot, with 21 females & antennae  
& dark wings. ?? this species.



23<sup>rd</sup> October 1932. A glorious day after a cold wet night. Few insects seen till 2.0 pm.

Meeting of the Waters, Co. WI. Noon till 3.30 PM.

All but 3 or 4 ichs taken in Barth Howard woods east of railway: the exception from scrub on left bank of river above Barth Howard gate.

Bombus lucorum 1 faded ♀ running herself.

Vespa vulgaris a nest by y. bridge in full swing & many seen in it.

Pimpla instigator 1 ♀ seen. P. gaudridentata 3 ♀♀ examined.

Stilpnus ♂♂ frequent.

Hemiteles

Mesochorus

Plectiscus

Xanthopoda

Campoplex

Brachistomerus

Dacnusa ♂.

Opius (cf. fulvipes, but 1 ♀)

Microgaster cf. fulvipes 2 ♀♀.

30<sup>th</sup> October 1932. Severe westerly gale, cold, sunny with showers in afternoon.

Drove A. Farrington to upper lodge of Powerscourt Deerpark, Co. WI, to study local moraines & channels there & on Calary plateau. On sheltered side of reservoir quite calm & very warm in sun & many diptera flying, on other side of same the wind was terrific & water lashed to spindrift & trees swaying with the gale. The following ichs beaten out of silver fir (?) at W. end of old dam between the reservoirs: —

Steronacrus ventralis ♀♀ abundant (none kept!)

S.

Orthocentrus



13th November 1932. A dull cold day with E. wind at the end of ten days similar weather.

King William's Glen, Co. Louth.

Very nice ground & would repay working at other seasons: also nice "wood" along west bank of the Mattock River opposite Mellifont Abbey & indeed the whole valley of the Mattock might repay working as well as Tournay Hall demesne.

Almost all taken by beating in grass in glen: one or two taken by sweeping!

*Vespa vulgaris* seen at ing.

*Daenusa areolaris* ♀♀ abundant, 5 kept.

*Aspilota* ♀ with 15 joints to antennae.

*Meteorus scutellator* ♀. in ing. *Apanteles*.

*Stenomacrus ventralis* 1♂ & 1♀.

S. ♀ with pale stigma like back, but in ing. and all.

S. ♂ *Microgaster* 100. *Pimpla* 100.

*Proctotrupid* 1♀. *Campoplegid* 1♀.

16th Nov. 1932. A fine cold day, E. wind, after a very wet cold (NE) day on 15th.

Greystones Golf Links (at corner next Killineavrig) Co. WI.  
All beaten off in grass!

16.11.32 cont. Greystones, Co. WI. cont.

*Pezomachus*

*Orthocentrus protuberans* ♀.

*Stenomacrus ventralis* 1♂ & 1♀.

20th Nov. 1932. A cold dull day, S. wind, dripping in morning, clearing in afternoon & dry.

2.30 till 4.0 pm. Phoenix Park (in & around the Ferry Glen), Co. DU.

*Pimpla maculator* 2♀♀.

*Stenomacrus ventralis* 1♂, 2♀♀.

*Daenusa areolaris* ♀♀ abundant.

} none kept.

*Vespa vulgaris* 1♂, several ♀♀ seen.

All beaten off in grass!



27<sup>th</sup> Nov. 1932. A fine cold day, mostly sunny, but one thick shower between 12.30 & 1.30 pm. Wind stopped all beating: after two days gale & rain: wind NW & still very light.

King William's Glen, above Drogheda, Co. Lth.

*Laenusa areolaris* ♀♀ abundant. } Beaten off ivy blossoms  
*Colletes braconius* 1♀ } on Tansley Hall wall.

*Vespa vulgaris* ♂♂ & ♀♀ seen.

*Bombus lucorum*? ♀? seen by Daisy & George.

Sun very hot in shelter at foot of Glen!

[Spent afternoon in wood on right bank of Mattock R. opposite Mellisfont Abbey, Co. ME. There snail *Vitrina pyrenaica* Fer. quite common: several also taken in dry roadside ditch under hedge on N. side of Slane Rd. just west of bridge above abbey. Very good ground along Mattock R. both above & below this bridge & great shelter from W. winds. also excellent ground in open oak wood at upper end of King William's Glen.]

4<sup>th</sup> Dec. 1932. A beautiful day, with hot sun.

*Vespa vulgaris*, 1 ♂ & 1 ♀, abundant & very near.

Willington Ho., Templeogue, 11.0 AM - noon. Co. DU.

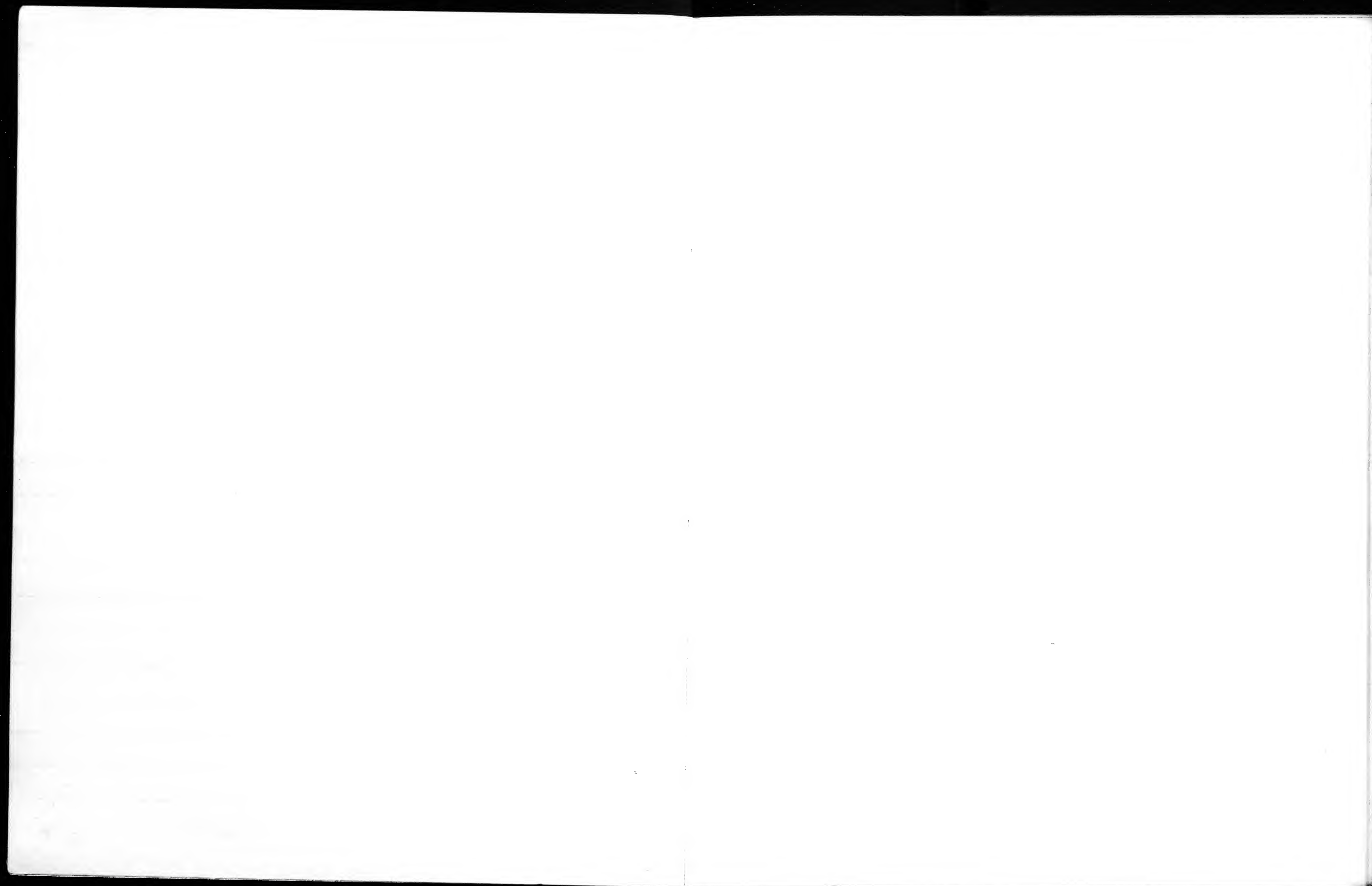
Also *Laenusa areolaris* ♀♀.

14<sup>th</sup> Dec. 1932. Very cold & dry, after similar ten days with rain.

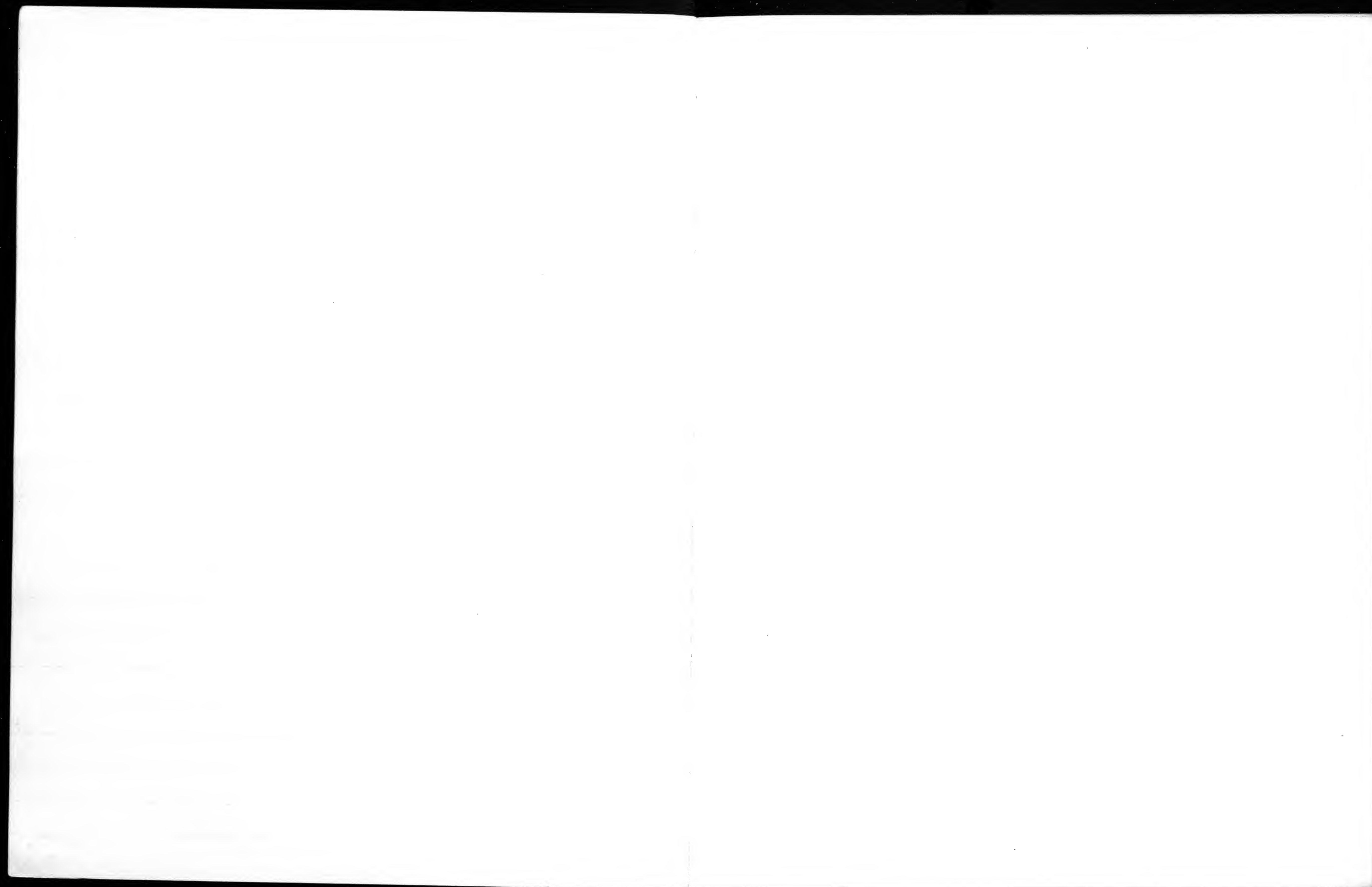
One ♀ was seen at tree near Willington Ho., Co. DU. & several *Laenusa areolaris* beaten off ivy.

[13. Several gales followed & terrific rain for 36 hours on 19<sup>th</sup> - 20<sup>th</sup> - 21<sup>st</sup> Dec.]











22-  
1933.

16<sup>th</sup> Feb. '33. Sax. Oppositeplus from Benvenagh, LD.  
in flower in front garden. One flower in Swardon  
Plant in back garden in same day!



19<sup>th</sup> Feb. 1933. A glorious sunny day after a hard frosty night: very cold in shade (N.E. wind) but sun very hot.

South Cliffs of Horth, below Earlscliff, Bally, Co. Du.  
Went, with P. O'Mahony, to look for more specimens of brachypterous species of Trichoptera, taken here in Jan. 1928 at roots of sea campion.

All the following taken by shaking overhanging clumps of campion, grass &c. at base of cliffs, from high-water mark to six or seven feet at most above this.

*Homalota*

*Pezomachus*

*Trichoptera*

*Chalcid*

*Ichneumon*

*Chalcid*

*Chalcid*

*Chalcid*

23<sup>rd</sup> - 24<sup>th</sup> - 25<sup>th</sup> Feb. Gale from N.E. with very heavy snow all over country!

1<sup>st</sup> March White crocus out under front window: Purple crocus out 5<sup>th</sup> March.

5<sup>th</sup> March 1933. Spent day N. of Portlaoine anghar, Co. Du. but no hymenoptera taken, though searched for by "shaking" on cliffs & dunes.

8<sup>th</sup> March 1933. Chironomus out at 14 Clareville Rd., Du.

12<sup>th</sup> " " Anemone apennina out " " " "

12<sup>th</sup> March 1933. A most perfect day, as also on the 11<sup>th</sup>, with no wind & a cloudless sky after a slight frost. Drove to Deputy's Pass, Co. WI., but stopped on the way for a few minutes each at (1) Kilmartin channel, where one Bombus (? lucorum or terrestris) seen & one Peacock butterfly; then to (2) Ballyhenry quarry where nothing out; next to railway crossing at Islandungan, where another (the usual!) Peacock butterfly; then on to N. end of Deputy's Pass, where had lunch at N.W. edge of wood, but no hymenoptera seen. After lunch drove on to south end of Pass & spent the afternoon about old garden, as usual: here saw a third Peacock butterfly, one of Andrena (on ash tree near foot of the side glen, seen it on twice seen, (? apicula or clarkella: too large for praeceps!)), & Daisy saw another Bombus ♀. No willow yet out at any places where we stopped but some seen out at & below Eniskerry, Kilnacanoge marsh, &c. No hymenoptera seen flying except those mentioned above but the following were beaten at Ballyhenry & in the afternoon at Deputy's Pass: —→ P.T.O.



19 12.3.33 cont. Ballyhenry & Deputy's Pass, WI, cont.  
Beaten out of Spruce at Ballyhenry.

*Pimpla exanimator* 2♀♀.

*P. maculata* 3 or 4 ♀♀.

Beaten out of various trees at Deputy's Pass.

*Pimpla exanimator* ♀♀ frequent, out of Spanish Fir,  
Ivy, Holly.

*Pimpla elegans* 1♀ out of Spanish Fir.

*P. pomonae* 2♀♀ out of Ivy or Holly beyond ridge glen.

*Perilitus* 1♀ out of Ivy or Holly beyond ridge glen.  
1♀ " " "

*Habrocyptus minutus* 1♀ out of Spanish Fir, there  
one taken on previous 11th Sept. (1932).

*Bracon* 1♀ out of Spanish Fir

*B.* 1♀ out of oak, with dead leaves & branches

*B.* 1♀ out of Ivy or Holly.

*Rhyssalus circumscriptus* 1♀ out of Ivy or Holly.

*Proctos*

*Chalcids* about 10

*Tryphonids* about 10

17th March 1933. A poor day: wet till 11.30 AM.

Some sun in afternoon in G. Kildare.

Left home at 1.15 & drove via Lucan & Blane  
past Prosperous to Bog of Allen, then saw  
ground M.S.D. Westropp goes to for *aurinia* larvae  
& that is recommended. Not much taken with  
it & no birch scrub or other native trees!  
some pine plantation, some sallows planted along  
ditches & plenty of virgin bog. Near Blane, KD,  
stopped at several willows, well out here, & saw  
about 9 *Bombus terrestris* ♀♀ & about 3 *B. lucorum* ♀♀  
but nothing else.

19th March 1933. A bad day, wet, snow in hills &!

During a short break in afternoon drove to  
Enniskerry, WI, where willows well out & in marsh  
saw two *Bombus* ♀♀ (1 certainly *lucorum*). In the  
glen beat one ♀ campoplegid out of ivy, but  
foliage too wet to hope for good results.

22nd March 1933. A very wild day: gale from SE. but not  
cold, dry, with considerable sun in aft.

Drove to Enniskerry, WI, but nothing seen by a *Gyrinus* &  
*Bombus lucorum* ♀ & *B. terrestris* ♀ (George & Daisy).



19 On 24<sup>th</sup> March, A.A. Lacey reported having already seen Bombus terrestris, lucorum & muscorum ♀♀ at Shankill, DU.

< 26<sup>th</sup> March 1933. A perfect day here & here, but  
dull & cloudy "inland" on the hills.

Drove to Ballyhenry, Arco & back to Sulphur Mine  
for lunch; then to Deputy's Pass, where spent the  
afternoon. All C. W. Chuff-chuff common!

Ballyhenry 10-30 - 11.0 A.M.

Bombus sp. heard. Andrena clarkella ♂ & ♀ seen.

Daenusa areolaris swept off rocks in quarry.

Marsh, S. of Ballyhenry (between main & Killboughter roads)

Bombus lapidarius ? ♀ watched by Daisy & George

He reported that it had two yellow bands: it flew away just as I reached the spot & I only saw the red-capidarius-like tail: it was on a willow.

*Dacnusa areolaris* swept here also.

No samples seen.

Arco, old sand scarp just inside Ballyrath gate.

One honey bee seen in Gorse: Tiger Beetle {  
 1 seen, but nothing else, except 1 Small White Butterfly (D. & G.)

Sand pit just started at end of steep west-  
road.

— See I. N. Journal for Oct 1955.

26/3/33 cont.

Sulphur mines, N. of Arica, C. W. 12-30 till 2.0 pm.

Bombus lucorum, agrorum & muscorum 1 ♀ each.

*Verpa rufo* ♀ on *Sabin* ♀.

*Andrena praecox* ♂ m ♂ Salix.

Pimpla maculator ♀ beaten out of Sest. Pine.

Deputy's Pass, G.W. 2.15 till 4.15 pm. All sunny.

Bombus terrestris (1), lucorum (several), lucorum (1),

Apro ("), muscom (") seen.

*Andrena praecox* 1 ♂ on *Salix alba* "jorden" entrance.

A. sp.? 20708 seen on same tree as on 12<sup>th</sup> March

Int. seemed smaller & more like procox.

Pimpla maculator several ♀♀, only kept.

*P. elegans* 4 or 5 ♀♀ at Laurel

Phaeogenes



19 29<sup>th</sup> March 1933. Afternoon. Very windy, cool, little sun.  
Foot of Glencasmole (below lower dam & above Mrs. Geylan's) G.D.  
on both sides of river.

< *Bombus terrestris* 1♀, *lucorum* ♀♀, *jonellus* ♀♀, at Salix.

No other hymenoptera seen.

Small Tortoiseshell Butterfly seen in scrub on right bank  
of river: I believe the first I have seen since the spring of  
1931!

2<sup>nd</sup> April 1933. Very windy, with falling barometer; cold  
in Dublin with strong W. wind: much milder in  
Wicklow & wind S.W. Considerable sun!  
Drove to foot of Glencasmole, via Ballyhenry &  
Rathdrum, Co. Wicklow. Stopped a few minutes at  
Ballyhenry but nothing seen except *B. lucorum*;  
then on to Greeman, where spent most of the day  
exploring what the forestry dept. have left of the  
Ballyteige oak-wood. This remnant amounts to the  
western margin of the oak-birch-holly wood (left to screen  
the conifer plantation) & the marshy area full of Salix-  
birch & alder in the valley of the "Ballyteige" stream  
which joins the Avonbeg, below Greeman Bridge. Here  
much good ground for later in year.

2/4/33 cont. Ballyteige wood & valley, N. of Greeman,  
Glencasmole, Co. WI., cont.

*Bombus terrestris* 1♀, *B. lucorum* & *jonellus* many ♀♀, all  
on ♀ Salix trees in valley. *B. agrorum* 1♀ in woods.

*Dolerus aeneus* ♂♂ frequent in dry oak-wood!

*Cryptopimpla anomala*, many ♂♂, 1♀, flying about holly,  
*Vaccinium*, &c in oak-wood.

No other hymenoptera seen! Very good ground for later  
in the year!

5<sup>th</sup> April 1933. Dull & windy, but much warmer.

Drove to Bishopscourt Ho. (N. of Kill) (=1) & on  
to Sallins, Co. KD., where spent an hour by the  
canal & sandpit on the railway 1/2 mile N. of  
station (=2).

*Bombus terrestris* 1♀ at 1. *B. lucorum* ♀♀ at 1 & 2.

*B. agrorum* 1♀ at 2.

*Andrena albicans* very fresh ♂♂ at 1 on Salix, &c.

1♀ (? just out of hibernation) at 1.

Blackthorn well out in Co. Dublin, not really out at  
Sallins.

Two Small White Butterflies seen!

No sign of life in railway gravel pit except a Field Duck on nest  
amongst burnt grass on steepest part of scarp.



19. 9th April 1933. A quite dull & almost useless day after a fine week. Almost-raining in Dublin in morning & no real sun till 6.0 pm. First day of Summer Time!

Drove, with Palmer, to Monasteranen, Emo Park & on to canal near Woodstock House; then back to Lt. Heath, Dunamase, Stradbally, Athy & home. All collecting done in Queen's Co. except at 6.

1 = Canal bank; marsh & hedges 1 1/2 miles S.W. of Monasteranen. Very nice sheltered ground!

2 = Boggyheath & plantation in Emo Park.

3 = Sand-pit long disused, about a mile N.W. of Emo Park entrance (E. side of demesne!).

4 = Sand-pits, used & partly disused near Woodstock House (see list of 17.7.1932!).

5 = Old quarry near Dunamase.

6 = Moat of Ardskull, N. of Athy, Co. KD.

*Bombus terrestris* ♀♀ at 1, 2 (on Gorse! G.M.S.), 3.

*B. lucorum* ♀♀ common. *B. jonellus* ♀ on Salix at 1.

*B. agrorum* ♀♀ at 2 & 3.

*B. lapidarius* ♀♀ at 1 (George) & at 4 (Palmer). <sup>*Eithya distincta* 2♀♀ at 1 & 4.</sup>

*Andrena praecox* ♀♀ only seen. On Salix at 1 (Palmer). In burrows at 3, common! Burrows at 4? this species.

Willow down beard at 1 & 2.

Queen's Co. cont. 9.4.33.

*Andrena albicans*, ♂♂ only at 1.

*A. clarkella* ♀♀ on Salix at 2, 3 & 4 (Palmer).

[*Salix purpurea* 100 at 6, in depression in field.]

*Amauronematus* (100) at Salix at 1 (Palmer).

*Andrena* (100) at Salix at 1 (Palmer).

12th April 1933. A fine day, much cooler than previous week, with keen N.W. breeze & little sun: only three good flurries in afternoon. 3.0 till 5.0 PM. <sup>Queen's Co. cont.</sup>

Marsh between roads, N. of Enniskerry, Co. WI.

*Bombus lucorum* ♀♀ only seen, but villas all out of flower.

*Andrena albicans* ♂♂ seen, only.

*Dolerus madidus* 100. *D. ligatus* 1♀. *D.* 100.

*Dolerus* (100) at Salix at 1 (Palmer).

*Dolerus* (100) at Salix at 1 (Palmer).

*Dolerus* (100) at Salix at 1 (Palmer).

*Dolerus* (100) at Salix at 1 (Palmer).

*Dolerus* (100) at Salix at 1 (Palmer).

*Dolerus* (100) at Salix at 1 (Palmer).



13<sup>th</sup> April 1933. A fine sunny day, but with chilly E. wind.  
cooler than previous day after a slight frost at night!  
Afternoon, 2-30 till 4-30: almost all sunny, yet chilly.

March at Enniskerry, Co. WI., on previous day!

*Bombus terrestris* 1 ♀ seen. *B. muscorum* 1 ♀ seen.

*B. hortorum* 1 ♀ seen on primroses.

*Andrena albicans* ♂♂ abundant about *Salix*: 1 ♀ seen running in marsh.

*Dolichopus* <sup>*longipes*</sup> *madidus* 3 ♂♂ 1 ♀ taken, a few other ♂♂ & 1 ♀ seen.

*D. oblongus*? 2 ♂♂ 2 ♀♀. [No sign of *D. ligatus*!]

*Empria pumila* 1 ♂ on E. side of stream near road.

*Xyela julii* 1 ♀ beaten out of *Salix* below H. Chestnut on W. side of stream, where car usually left below sign post.

Orange-tip butterfly, ♂, in marsh!

Very few insects out owing to keen E. wind.

13<sup>th</sup> April 1933. Evening, 7.0 till 8.15 pm.

Drove G. S. Allen to Old Baron, DU., to see his planted "nests" for *Bombus*: one possibly occupied, the other not.

Sand Martins in numbers flying over Gadder at usual place.

On 11/14/1933 E. & Shalvey collected some ♀♀ nests at Enniskerry, Co. DU., which I believe are *Leucophaea* nests!

14<sup>th</sup> April 1933: Good Friday! All sunny: but cool E. wind, very keen & dry air, & few insects about.

Drove John Barrington & A. M. Grogan to Arvoca & back, where stopped at meeting of the Waters & the Deputy's Pass, Co. WI.

[*Apanteles* 1 ♀ flew into car near Carrickminis, DU. at 11 AM.]

1 = Sulphur Mines at Arvoca: 12.0 noon till 1 p.m.

2 = Meeting of the Waters: woods below Castle Howard: 2.0 till 2.45 pm.

3 = Deputy's Pass: old "garden": 3.30 till 5.0 pm.

*Bombus lucorum* ♀♀ seen at 1, 2 & 3.

*B. hortorum* at Primroses at 3, several ♀♀ seen.

*B. agrorum* & *B. muscorum* 1 or two ♀♀ only at 1 & 3.

*Psithyrus distictus* ♀♀ at 3.

*Andrena albicans* ♂♂ abundant at 1, 2 & 3.

*A. junci* fresh ♂♂ at 3.

*Halictus rubicundus* 1 ♀ at 1.

*Nomada lapida* ♂♂ at 2. *N. m. umbellata* 1 fresh ♂ at 3.

*Dolichopus* <sup>*nigratus*</sup> *oblongus* 1 ♀ at 1. *D. myosotidis*? 1 ♂ in woods at 2.

*Empria* <sup>*lucorum*</sup> *lucorum* 1 ♀ at 3.

*Oecophora* <sup>*auraria*</sup> *auraria* 1 ♀ swept at 1.

*Enochus* 1 at 3.

*Enochus* 1 at 3.

*Enochus* 1 at 3.

*Enochus* 1 at 3.



16<sup>th</sup> April 1933. A fine day, but rather dull in the morning & only <sup>thin</sup> of sun until 1.0 pm. afterwards almost all sunny & sun very hot, little wind (N.)

Drove via Sallymount to marsh & stream  $\frac{3}{4}$  <sup>mile</sup> east of Kilkallen, Co. KD; then back (S.E.) to railway bridge S. of Gilltown House, <sup>Co. KD.</sup> then to marsh & stream & road & railway  $1\frac{1}{4}$  mile N. of Dunlarin, but just inside Co. KD. boundary; then to marsh by Colbinstown station, on Co. WI. side of boundary stream; then to Ballitore, Co. KD. Here collected in marsh & old sand pit on old road  $\frac{1}{2}$  mile S.W. of village; then home via Moore & Naas without stopping.

11 till 12 noon, marsh  $\frac{3}{4}$  mile E. of Kilkallen, KD.

*Bombus muscorum* ♀ seen.

*Dolerus oblongus* 2 ♂♂? [faint notes]

*Emmitela* ♀.

*Dacnusa areolaris* ♂♂ & ♀ mtd.

*Monoclonus* : ♂.

16/4/33 cont. 12-30 till 1-30. Railway tanks at bridge, S. of Gilltown House, Co. KD.

16/4/33 cont.

12-30 till 1-30. Railway tanks at bridge, S. of Gilltown House, Co. KD.

*Bombus lucorum* ♀♀ seen.

*Andrena albicans* ♂♂ at Hackthorn ♂ & 2 ♀♀ seen.

*Habitus pygmaeus* ♀ in cutting.

*Salix fusca* ♂♂ very common.

*Dolerus nigratus* <sup>RBB.</sup> 1 ♂, others seen, in field & along edge of cutting.

16/4/33. cont.

1.30 till 2.0 pm.

Marsh, stream, & plantation, E. of road & railway  $1\frac{1}{4}$  mile N of Dunlarin & just inside Co. KD. boundary.

*Dolerus* <sup>nigratus, RBB.</sup> ~~oblongus~~ ? 1 ♂ in marsh.

Small [faint notes]

16/4/33 cont.

2-15 till 2-45 pm.

marsh <sup>near</sup> Colbinstown station, on Co. WI. side of boundary stream.

*Bombus derhamellus* ♀ seen several times.

T.T.O.



16/4/33 cont. Colkinstown, Co. WI., cont.

Between one & two dozen small hymenoptera swept of  
grasses & sedges &c.

*Ichneumon* sp.

*Phaenocarpa* sp. = as found by Mr. J. J. O'Sullivan  
2nd inst. of *Phaenocarpa* sp. found by Mr. J. J. O'Sullivan

*Phaenocarpa* sp.

*Phaenocarpa* sp.

16/4/33 cont.

3.0 till 5.0 pm. Marsh & sand pit 1/2 mile  
S.W. of Ballitore, Co. KD.

*Bombus terrestris* 1♀, *B. lucorum* several ♀♀.

*Psithyrus distinctus* ♀ seen.

*Andrena albicans* ♂♂ & fresh ♀♀ seen.

*A. nigroaenea* ♂♂ common & very fresh.

*Halictus calceatus* & *freycineri* ♀♀ identified.

*Nomada marshamella* several ♂♂.

16/4/33 cont. Ballitore, Co. KD. cont.

[17.4.33. *Bombus muscorum* ♀ in garden at 9.0 A.M.: torpid!  
14, Glavinilla Rd., Ballitore Harold's Cross, 84.]

19th April 1933. A bright day with strong, dry, very  
keen East wind & little shelter anywhere.

Drove via Balbriggan to the Boyne, collected in  
King William's Glen at New Bridge, Co. LH. & home  
via New Bridge, S. bank of Boyne, & Ashbourne.

11.0 - 11.30 AM. N. bank of Broad Meadow Water, Co. DU.

*Triclistus*

*Sigalphus*

1♂

} Beaten off  
hatched bees.

P. T. O.



19/4/33 cont.

12.0 noon. Stopped at Julianstown, Co. LH. (?) & spent 25 minutes in beautiful marsh on left bank of river below village, but saw nothing except one ♂ Daenusa areolaris in swampy place (not kept!)

12.45 till 2.30 pm.

King William's Glen, Co. LH.

Andrena albicans ♂♂.

A. cineraria: a great colony (M.S. & G.M.S.) on left bank of river half way up glen, just above 1<sup>st</sup> cottage, nesting in stiff dry sandy boulder-clay near top of bluffs opposite the cottage. ♂♂ very abundant, 1 fresh ♀ taken. ♂♂ also seen on Lesser Bellandine flowers further up glen by the river & road. This colony belongs to the early form!

Homada 1 ♂ beaten (& escaped): probably H. livida.

Halictus rubicundus 1 ♀, with pollen, with A. cineraria.

Blennocampa tenuicornis 1 ♀ swept in marsh by stream.

Hoplacampa <sup>chrysanthra</sup> 1 ♀ " " " "

Euclyptus fontinalis 1 ♂ swept " " " "

19.4.33 cont. King William's Glen, LH., cont.

Euclyptus swept in marsh.

1 ♂ on Geopis, knee at lunch.

Daenusa areolaris ♂♂ & ♀♀ frequent in marsh.

Aphidius? ♂.

19.4.33. Stopped at old quarry, S. of New Bridge, Co. ME.

2.45 till 3.0 pm.

Andrena nigroscens ♂♂ common.

A. jactata 1 very fresh ♀ on Dandelion seen.

Swallow!

Also stopped several places on way home, but nothing seen or swept owing to keenness of the wind!

21<sup>st</sup> April 1933. A fine day, nearly all sunny, sun in view, not so cold. E-NE wind, light.

Drove to Ballyhenry & stopped at marsh beyond quarry & clods on hills; after lunch on to Ballylusk, all Co. WI.



21.4.33 cont. Ballyhenry Marsh, C. WI. 11.30 till 2.0pm.

Bombus jonellus ♀ at flower of Gorse!

B. lucorum & B. mussoni ♀♀ seen.

*Prithyrus distinctus* ♀♀ seen.

*Andrena albicans* ♂♂ & ♀♀ seen.

Halictus calceatus ♀♀ & probably other spp. seen.

Sclerus 100' 10' west along "ledge" in center of marsh.

June 11. 5. 11. 11. 11.

Sigalphus

100 at Larthorn Lark.

Apantiles

1 sept in marsh.

Sacusa areolaris several nests in marsh: May 1961

D. gilvipes 10 swept in marsh N. of causeway & near cottage.

6. 10. 1919.

21.4.33. cont. Ballylusk marsh & oak wood, Co. UI.

2-30 till 4:30 pm. Mostly beating off Colby in wood!

*Bombus lucorum* 1 ♀ seen on *Vaccinium* several ♀♀.

*B. jirella* ♀♀ seen on Vaccinium.

*Prithymus distinctus* ♀♀ seen. *Andrena jacobae* ♂♂.

*Vacc. aff. (? rubrastris) ♀♀ on Vaccinium.*

Imaconema, hibern.  $\gamma$ , on  $\sigma$ , lake on edge of marsh, near dynamite house of quarry.

*Golem* <sup>(10000)</sup> *practically*

$f = \text{vintenes, in } p, q$   
vs. 200



44

23<sup>rd</sup> April 1933. A moving day, after a wet night (the first real rain for nearly two months!). milder; considerably sun.

Drove to Ashford & then via Ruims Bron  
to Aghowle, there collected in valley for half  
an hour (= 1) & on to Garryduff Cross-roads, then  
stopped for another half hour (= 2): then on the  
Clara oak-wood (= 3): All Co. WI.

12 noon till 1-30.

marshy valley at Aghowle (=1) & marshy fields  
& willow stream at Garryduff (=2), C.W.

Bombus lucorum ♀♀. B. jonellus ♀♀ & ♂♂ on Salix.

В. агроном, 19 ат 2.

Prithyus quadricolor ♀ on Salix at 1. B. distinctus ♀♀.

Andrena albicans ♂♂ seen.

Dolerus aeneus 2♂ common at 1. 2. May 28<sup>th</sup> 2.

Johnson legum ♀ at 1.

$\approx$  American name for *A. viduus* - 2 individuals  
of which large number in 1936. 1936  
dated 21. 1. 36. Benson in March 1936 considers  
this pair to be probably *A. viduus* see letter of 19. 3. 36.

Decuss. cretaria 22 & 27 A. 1.

45.

23.4.33 cont. Oak wood at Clara, above sand-flat & between  
latter & Brownhorne river. G. Sl. 2.0 till 5.0 pm.

Thunder ran, but several storms & roads wet.

*Bombus lucorum* ♀♀ & *B. jonellus* ♀♀ & ♂♂ abundant in Vaccinium.

*Prithyrus distinctus* ♀♀ frequent.

*Andrena lapponica* ♀♀ at Vaccini.

Homada Lipida 100 on Satis.

1 ♀ on Sabin. Below sandflat.

Xyela julii ♀ beaten off Sabin below sand-flat.

Pimpla turionella ♂ seen & released.

Must like feature  
of Holly or Gray.

*Sternomacrus ventralis* ♀♀ hatched & released.

Phragmites *sp.*



46.

24th April 1933. A dull day, with SE. & SW winds & heavy rain in Dublin all morning, after a very wet night. Although not at museum did not go out till 2-30 pm. : then drove to Golden Hill, Co. WI, (near Blessington). On <sup>E. slope near</sup> summit of this hill, between 900 & 1000 ft. alt. is a larch plantation, with a few stunted Scots Fir & Spruce, with open glades. In one of these glades I took with the hand a ♀ *Dolerus ligaster* & beat a ♀ *D. aeneus*. Also beat out of Spruce & Scots Fir the following.

*Bombus lucorum* 1 very fresh looking, torpid, ♀  
*Vespa austriaca* 1 torpid ♀, another seen flying  
*V. vulgaris* several torpid ♀♀.

*Pimpla maculator* many ♀♀: not kept.

*P. examinator* 1 ♀, very black, hind tibiae all black except for small white ring.

*Orthocentrus fulvipes* ♀♀ numerous.

When the day is considered this was a great haul & it is a curious fact that around this hill there was no mist & the woods were dry, while everywhere else the hills were shrouded in misty rain.

47.

26th April 1933 aft. 2-30 till 5.0 pm.

Golden Hill, Blessington dt., Co. WI, as on 24/4/33.

Very windy (S to SE.), dull, misty rain at first, then fine, warm in shelter, several blinks of hot sun. *Andrena cineraria*, ♂ clinging to rush in shelter belt on N.W. side of hill facing Tinode Ho. The first specimen ever taken & one in Dublin-Dicklow area as early as April!

*Dolerus haematodes* 1 ♀ in same shelter belt on rushes: taken by George.

*D. ligaster* 6 ♀♀. One of these swept off rushes in shelter belt with above: fine taken amongst larch & Scots Pine on E. side of summit of hill (all beaten out of conifers except one seen flying). There 1 ♀ taken on 24/4/33: one of these beaten by Miss G. C. Scott & another given to her.

About a dozen *ichneumon* beaten out of Pine & larch (2 by Miss Scott).

*Pimpla maculator* ♀♀ common: none kept. *P. examinator* 1 ♀.

*P. elegans* 1 ♀. *P. ...*

*Stenomacrus ventralis* 1 ♀. *Orthocentrus radiatus* several ♀♀ seen.



48

27<sup>th</sup> April 1933. A glorious morning & at 9.0 AM. I saw  
1 fresh ♀ Andrena jacta running herself on a black-cornus  
bush in garden at 14 Clareville Rd., Harold's Cross, Sq.,  
Rile usual ♂♂ also seen dashing up & down.

[First sawflies in water house emerged on 23/4/33 (1 ♂ Phronida  
from Bundeiff L., Co. SL.) & 26 & 27/4/33 (1 ♂ Phronida  
from Larkham at Bundoran, E.D.) [Also 1 ♂ Apanteles  
from cocoons given me by Rev. K.M. Gualip, of Athy, KD.]

28.4.33. ♂ Aspilota rufipes (or near this) taken in garden at Harold, Essex.  
Det., examined & released: the first ich seen in garden 1933.

30th April 1933. Very dull, chilly NE wind + jam  
in Dublin, rain in places; fine, warmer, + almost  
sunny at times, but only a few minutes sun all day  
at Rakeen.

Drove via Naas & <sup>Dunlavin</sup> ~~Kildass~~ to marsh & stream  
near Raheen, Co. WI.; between Tynte Park &  
Carrigroh Bridge, 6-7 miles N. of Baltinglass.

Bombus lucorum, jovellus (1), agrorum, muscorum  
+ terrestris (1) ♀♀ seen, but rare.

Prithrum distinctum several ♀♀ seen.

Andrena albicans one or two oozes, ♀ later //

Salix

Shallows & Swallows  
Swifts at Harold's  
in morning.  
Swallows, House Martins  
Pied-billed Grebe  
seen near  
Rabbits & Cuckoos  
fairly heard!

49

30/4/33 cont. Rileen, G. W., cont.

*Solum madidus* 299. *S. <sup>nigraticus</sup> ~~flavus~~* 299. ✓

*D. posilensis* 2 ♀♀, 1/4 mile below bridge.

D. haematodes & 2 ♂♂. D. nigrate, ♂.

*Loderm vestigiale*: 109.

*Homocidus obscuripes* 187: the first Barid seen in 1933.

*Dacnusa areolaris* ♂♂ & ♀♀ common. *D. gilvipes* 1 ♂ near bridge.

Q.

Aspilota *hirsuta* 'det. *Aspilota* 14.06.2015 on 6.06.2015, 3. suborder 1.11



May  
7th April 1933. A fine day, after a wet night & heavy rain in morning, at 10 AM, following a wet & sunless week during which most of the local bumble bees must have been killed off. Not much sun till 1 pm, then very hot & late afternoon nearly all sunny but with cool <sup>north-</sup>easterly breeze.

Drove to Naas & stopped at canal just beyond the town (Limerick Bridge) on Newbridge road; then to Kileullen, where spent an hour in marsh 3/4 mile E. of village; then on to Gilttown House, where collected along edge of shelter belt at north side of demesne for a few minutes; & finally on to marsh at Rahen, Co. WI, on 30/4/33. All other localities in Co. KD.

11-30 till 12.0 noon. Canal bank, N. of Limerick bridge Naas, Co. KB. Mostly sunny; N.W. wind, strong.  
Rhyogaster anceps amongst nettles, etc., in shelter of hedge.

Quercus agrifolia 3 or 4 swept along margin of canal: 1 or kept only.  
Aphidius 1 or  
Antaeon sp.? 1 large ♂ swept off bird, but crushed & thrown away!

7 5 33 cont. 12 + 5 till 1.45 pm. Some sun.

Marsh 3/4 mile E. of Kileullen, Co. KB.

2.0 pm. Shelter belt along road at S. side of Gilttown House demesne, Co. KB.

Antaeon 1 or, very small, beaten off crab apple tree.  
1 ♀ beaten off Blackthorn.

Rhyogaster anceps seen!

2.30 till 5.30 pm. Marsh at Rahen, near Carrig-  
gorm Bridge, Co. WI, on 30/4/33. Much sun, with N.E. wind: too windy for sampling.

Bombus lucorum only 1 or 2 ♀♀ seen. B. agrorum ♀♀ seen.

Psithyrus distinctus a few ♀♀ seen.

Andrena albicans 1 or seen.

Dolichopus posillensis 1 ♀ in marsh N. of poplars.

D. flavipes 1 or (?) 2 ♀♀ in lower marsh (1/4 mile from bridge!)  
D. haematodes, var., 1 or near bridge.

Rhyogaster 1 or



7/5/33 cont. Rakeen marsh, Co. WI., cont.

The ... 19 - march.

*Hydrobia ulida* 100 mft. 1.

About six inches up stream at "Blackthorn Grove",  $\frac{1}{4}$  mile below bridge.

Sacnids, etc., also swept at stream side, unless stated otherwise

Daenusa areolaris ♂♂ & ♀♀, some very large, most  
empty in marshy places & by stream.

D. 1 ♀ nest in marsh 50 yards below bridge  
- Nuxon Apr. 9 1936. N.H.S. (S. of stream).

4 ♂♂ + 3 ♀♀ swept at edge of stream,

amongst Spices, Carex, Ranunculus, grasses & Gen. Rivall.  
107 swift with last.

107 nest with last.

*Carpilota tuberculata* <sup>large</sup> ♂ most with cast; also significant features

Q. *Humana?* 2000. *nest just below bridge* (with 2 eggs, 1st 1st)

8th May 1933. A fine afternoon, after a shower at 2-30 pm, but very stormy (N.W.).

The Furry Glen, Phoenix Park, Co. Du.

*Bombus terrestris*, fresh ♀. *B. agrorum* ♀♀.

Andrena albicans fresh ♂♂ + ♀ seen. A. subopaca ♂♂.

A. cineraria ♂♂ seen, ♀ taken on east side of glen.

*Nomada marshamella* & probably *lipida* seen.

Solerus aeneus ♂♂ & ♀♀ very common above pond.

S. ~~sticticus~~<sup>nigratus</sup> ♂♂ & ♀♀ near pond.

Rhogyaster anemariae, very common amongst kelp, &c.

*Monophadnus pallens*? 1♀, amongst nettles, along pond.

*Pistophora ruficornis*, (?) ♂ with crippled wing, swept by stream under Hawthorn,  
(above pond).



8.5.33 cont. Furry Glen, Phoenix Park, DU. cont.  
 Proctotrypids.

Chalcids. One very curious yellow & testaceous ♀ with large  
 cloud on wings, swept above pond near stream.  
 = *Stenomacrus* *capensis* (H. G. G.)  
 See also *Stenomacrus* *capensis* (H. G. G.)

10<sup>th</sup> & 11<sup>th</sup> May 1933. Fine evenings.

Garden at Mayfield, 14 Harold's Cross, DU.

10<sup>th</sup> *Bombus terrestris* fresh ♀ on <sup>red</sup> Ellin's apple blossom at 7.0 PM.

Small ich seen on ~~black~~ <sup>red</sup> currant.

11<sup>th</sup> *Bracon variator* ♂; taken on black currant behind tub.

12<sup>th</sup> May 1933. A dull warm afternoon, no wind, ending  
 in drizzle in hills at 5.15 pm.

Slade of Saggart, Co. DU.: above & below <sup>(1)</sup> old bridge. 2.30 till 5.15 pm.

*Opius ligator* ♂ beaten off *Salix* by stream above bridge.

*Tenthredo atra* 1 ♀ beaten off *Sycamore* at 1.

*Eupria tridens* <sup>100%</sup> 2 ♀♀ swept at 2.

*Euura salicis* ? <sup>100%</sup> 1 ♂ off *Salix* at 1.

*Selandria flavus* 1 ♂ at 2 in marsh: this has two left front tarsi one  
 small, the other normal size!

*Nematus lucidus* 1 small, dark, ♂.

12.5.33 cont. Slade of Saggart, DU. cont.

*Ichneumon rufiventris* 1 ♂ at 1.

*Homocidus obscuripes* 1 ♂ at 1, 1 ♂ at 2 in marsh.

A few other ichs swept at 1 & 2, or beaten off trees at 1.

*Attractodes tenebrius* 1 ♂.

*Daenusa areolaris* ♂ & ♀♀, but not common: 1 ♂, 1 ♀ at 1.

*D.* *areolaris* in marsh at 2.

*D.* *areolaris* *pygmaea* ♂.

*Gyracampa affinis* 1 ♂ at 2; *G. uliginosa* 1 ♂ by stream at 1.

*Phaenocarpa conspurcator* 3 ♀♀ at 1 & 2.

*Aspilota*

*Bracon*



14th May 1933. A very fine day, all sunny,  
with slight E to NE breeze; but following a wet  
day & poor weather not so much out as expected  
& hardly any aculeation seen on The Murren.

Drove to Newcastle, on the Murren, & later on  
to Deputy's Pass, Co. WI. Also stopped at Rocky  
Valley for a few minutes, but only 1 small ich, 1  
*Aspilota* & *Daenusa areolaris* swept in marsh, &  
the two former mixed with those from The Murren.

With C. Winkworth Allen.

The Murren, along railway, 1/4 to 1/2 mile S. of  
Newcastle Station, Co. WI. 12 noon till 2.0 pm.

*Bombus muscorum* a few ♀♀ seen. *B. jonellus* ♀♀ fairly  
common on *Lotus* flowers. *B. derhamellus* 1 ♀ seen.

*B. agrorum* a few ♀♀ seen.

*Andrena albicans* a few seen over at flower of *Scilla*  
*verna*.

*Halictus* (1 ♀) 23.

*Pachyura* (1 ♀) 23.

Several *Tryphon* etc. a few *Ichneumon*  
& *Chalcid*.

14/5/33 cont. The Murren, Co. WI, cont.

*Pimpla* 10 swept.

Many small spp. swept off grass by railway or in marsh  
behind railway & along drain parallel to railway.

*Aspilota* (1 ♀) 23.

*Aspilota* (1 ♀) 23.

*Daenusa areolaris* frequent. (1 ♀) 23.

*Dacnusa*

*Apanteles*

*Phaenocarpa* 1 ♀. *Alloea* (1 ♀) 23.

*Rhyssalus* 1 ♀.



14/5/33, cont. Deputy's Pass, Co. WI. ~~2.30~~<sup>3.0</sup> - 5.30 PM.

*Bombus lucorum*, *agrorum*, *lapidarius* (or *thurbellii*) ♀♀.  
*Prithyrus distinctus* ♀♀.

*Halictus*

*Nomada flammigata* 1 fresh ♂. (seen & Allen).

*Pamphilus*

1 ♂ swept near river.

*Athalia*

1 ♂ (first seen 1933).

*Pimpla*

1 ♀  
 (on oak: another on laurel seen).

*P. maculator* 1 ♂ on laurel

*Schizopyga atra* 1 ♂ on laurel.

*P. schizopyga* 1 ♀.

*Phylloscopus*?

*Emilia*?

*Neoclerus*

*Phytodietus*

*Phymatodes* 2 seen, one on laurel

*Conopsea*

*Orthocentrus*

*Euclyptus*

1 ♂?

14/5/33 cont. Deputy's Pass cont.

16th May 1933. A fine evening  
 garden at 14 Clareville Rd., Harold's X, 84.

*Homocidus pictus* 1 ♀ on black currant at tub. 1st seen 1933







20th + 21st May 1933. Evening of 20th & morning of 21st. Warm & sunny! Garden, 1/2 Clareville Rd. Dublin, as usual!

*Crabro varius* first seen on 20th, ♂♂ only: also on 21st

*Crabro leucostomus*? or *Pamphredon*? seen on 21st

*Andrena jaesbekei* ♂ seen on 21st.

*Allantia cinetia* ♀ on 20th.

*Odynerus parietinus* ♂ in motor house trying to get out & evidently from nest in rafters. There ♀ seen building in 1932 but did not complete nest.

Red-bellied

21st May 1933. An almost-perfect-day, till late afternoon, then shower & thunder about. Drove to Athy & south along river to Ardagh House, then worked old sand-pit & marsh between road & river, Co. KD.; then to Tankards Town Bridge, then worked marshes, etc., above & below bridge on Queen's Co. side of river (right bank), then via Castledermot & Ballyglan, to George's Bridge, over the R. Slaney, near Ballyhubbuck, Co. WI. There shower at 5 pm. Stopped collecting for the day. ♂♂ & ♀s largely taken in car by George between Kilsallen & Athy, Co. KD. =

Two samples taken in motor, in morning, on road N. of Athy, Co. KD. = *Merodon rufus* ♂ & *Pachyneuratus obductus*, & *Conoderus* ♂ & ♀

21.5.33 cont. Ardagh, S. of Athy, Co. KD.

Old sand-pit & field N. of road to Maganay & marshy field & drain-sides between road & river Barrow!

*Bombus agrorum* ♀♀ only seen.

Labelled S. of Athy Co. KD. AWS! 21.5.33.

*Andrena saundersella* 1 ♀ in sand-pit.

*Halictus albipes* 1 ♀ examined.

*Nomada muschamella* seen.

No other aculeates seen!

*Solerus* <sup>ferrugatus</sup> *palustris* 1 ♂ ? AWS. 7/12/33.

~~*Salix repens*~~

*Abia sericea* 1 ♂.

*Tomostethus luteiventris* seen: frequent.

*Teuthredo arenaria* seen.

*Teuthredella mesomela* seen.

*Teuthredopsis*

♂ & ♀ in sand-pit: seen each other!

*Cryptopimpla blanda* 1 ♀. AWS. 7/12/33.



21.5.33 cont. Ardagh, Athy, Co. KD. cont.

Bracon

swift in drain towards river.

Euphorus

3 amongst nettles &c in damp corner of field.

Apanteles

Gyracampa affinis ♂♂ frequent in drain 12.5.33

Dacnusa

*the same as that of 12.5.33, but with the head more yellowish*

21.5.33 cont. 1.0 till 3.0 P.M.

Stony margin of River Barrow, right bank, above & below Tankards Town Bridge (between Athy & Maynooth!), Co. Co.

Macrophyta punctum-album. A beautiful ♀ seen on small Ash tree beside where we stopped motor on bridge (above 1), seen by M.D.S. & caught by George. This is so far as I know the first example of the genus taken in Ireland.

Tenthredo "areolata" seen at 1.

Empria sp.? 1♀. See R.I.P. in coll. dated 21.5.33

Microgaster pallens, large ♀. 1♀. 17.5.33.

Zostrophus rufiventris ♂♂ at 1 & 2.

& about a dozen small ich.

21.5.33 cont. Tankards Town Bridge, Co. Co. cont.

Bracon

♂♂

Rhyssalus

1♂.

Ichneumon reunitor

: no doubt at willows at 2.

Dacnusa

1♀.

Dacnusa areolaris a few ♂♂ only seen. (1♀) 1♂ seen on 12.5.33.

D. gilvipes

1♂ at 2.

Gyracampa affinis ♂♂.

Chenusa conjungens ♂♂: 6 at 2.

Aspilota

Allon contracta 1♂.

Coelinius

The ♂ of Coelinius hirsutus (L.)  
taken 19.5.33, 19.5.33.



21.5.33 cont. 4.0 till 5.0 pm: then a storm!

Right bank of R. Slaney, above (=1) & below (=2) George's  
Bridge, where river leaves Glen of Imnel below Ballyhubrick,  
Co. WI.

*Andrena praecox* ♀♀ (not very common) at a willow still  
in flower at N.E. corner of field bridge, or mound, above field.

*G. sp.* (? *subopaca* seen) in same place.

*Homada flammigata* fresh ♂♂ with last.

*H. ruficornis* ✓ 1 small ♂.

*Ichneumon remitor* 1 at above willow

*Oenone* sp. beaten, but lost, out of same willow.

*Scaphium*

*Pontania*

♂♂ at willow.

*Campoplex*

*Phaenocarpa* ♀

*Exochus* ♂

[all above taken at 1]

" below " " 2 (swath in marsh at foot of 1st field on N. willow by river)

*Bracon*

1 ♀

*Euclyptus affinis* ? 1 ♀. *Aspilota* 1 ♂

*Microplitis* 1 ♀. *Apanteles*

*Stelidoptera* 1 ♂

*Homocidus* 1 ♂

Garden, 14 Clareville Rd., DU. 21.5.33, evening.

*Cladius pectinicornis* 1 ♂.

*Pimpla brevicornis*, small ♀. *Chrysopa incitator* 1 ♂ (not kept)

*Mesoleius* 1 ♂.

*Oedematopsis rubicollis* 1 ♀.

do - do - do. 23.5.33 evening.

*Homocidus pictus* 2 ♂♂. *H. ornatus* 1

*H.* 1 ♀.

*Mesoleius* 1 ♂. *M.* 1 ♂.

25th May 1933. A cold blustering day with frequent showers  
from W. & N.W.

From Mr & Mrs Charles Oldham via Blessington &  
Wicklow Gap to Glendalough, then to oak wood 1 mile  
below Lough; & home via Garryduff & Thins Cross.

Only collecting done was in Oak wood, by stream & stream  
from Glendalough, where collected from 3.30 till 4.30 pm.  
Co. WI.

No *Bombus* seen during the day: not even on *Vaccinium*  
in oakwood. Mostly beaten out of oak!

*Dolichopus aeneus* ♂ 1 ♂ beaten out of spruce.

*Mesochorus*

*Ichneumon* 1 ♂.



25.5.33 cont. Oakwood, below Laragh, Co. UI. cont.

*Hermitules* ♂.  
*Promethes* ♂, beaten out of Spruce.  
*Pyrostolus* ♂, off Hazel.  
*Rhopus* ♂.  
*Eutropia* ♂.

26.5.33. Garden? 14 Clareville Rd., Harold's Cross, Du.

*Aphidius* ♂ in kitchen.  
 ♂ & ♀ in garden (♀ on *Rhamnus cathartica*),

27th May 1933. Garden, Harold's Cross, Du.

*Mesoleius* ♂ on White Currant.  
 ♂ & ♀, latter at Ellis's lilac, former at  
 Dick Currant.

*Bombus agrorum* fresh looking ♀ at *Orchis purpurella*  
 in tub; & at Snapdragon, later on.

*Verpa germanica* or *vulgaris* ♀ seen (as on previous  
 occasions, but not noted).

28.5.33. (at 10 AM) tub of *Verpa* seen at ...

29.5.33. Evening. *Mesoleius*  
 in back garden!

28th May 1933. An almost perfect day: nearly all  
 sunny, with gentle westerly wind (at Trim: E. in Dublin).  
 Drove, with Palmer to sand-pit between Cross Keys &  
 Batterjohu Big, on Trim road, Co. Meath. Here met  
 Charles Farin, of Caran. Afterwards left them there  
 & drove on to R. Boyne at Newtown Bridge, 1/2 mile  
 below Trim (= Trim 1) & later down the river on  
 right bank to railway bridge, 3 miles below Trim (= Trim 2).  
 Then back to sandpit & home.

Observed sandpit, about a mile W. of Cross Keys, on N.  
 side of road to Trim, Co. ME. 11 till 12.45 noon.

*Bombus lucorum*, *agrorum* & *lapidarius* ♀♀, a few each.  
*Psithyrus rupestris* 2 beautiful ♀♀, very fresh (Farin in afternoon).

*P.* *distinctus* several ♀♀ seen.

*Andrena jacoti* ♂ & ♀♀. *A. albicans* several ♀♀, seen.

*A. viridis* ♂ & ♀♀ abundant. *A. villosa* ♂ & ♀♀ common.

*A. nigrescens*, old seen ♀♀ seen.

*Haliastur rubicundus*, *calceatus*, *albipes*, *pygmaeus*, & *leucopus* ♀♀ seen.  
*Sphærodera divisa*, *hyacinthina*? & *opini*? ♀♀.

*Pomada menhamella* ♀♀ common. *N. foveolaria* 1♀ (seen to C.F.)

*N. bipida* common. *N. hillana* ♂ & ♀ (?♀) very fresh.

*N. flavipunctata* ♂ & ♀ seen & given to C.F.

*Chrysus ignita*, small ♂ seen.







28th May 1933 cont. 2.45 till 5.0 pm.

Railway bank, pond margin, wet larch, sycamore, or oak trees  
at E. end of viaduct over R. Boyne, Co. ME. [= Trim 2].

Acalepta not particularly watched, but at sycamore the  
following seen or taken: -

*Andrena jacobae*, *nomade menhamella*, *Grabo dimidiatus* ♂♂  
abundant, *G. palmipes* ♂♂ [ & probably *G. leucostomus* also ].

*Pemphredon lugubris* 1 ♂, fine to C.F.

*Tenthredella atra*, *temula* & *mesomela* abundant.

*Tenthredopsis* ♂♂ seen.

*Lygus nematus*, *larici*? 2 ♂♂ <sup>at larch</sup> *Dineura stilata*? 3 ♂♂: all at larch, but 1 at sycamore.

*Erocha* <sup>at larch</sup> 3 at sycamore.

*Trichistum* 1 at small sycamore next oak.

*Glypta ceratites* 1 ♂ (1st seen 1933). *Chistopyga incitator* 2 ♂♂  
at sycamore.

*Myiophila cingulata* 1 ♂.

*Orthocentrus* 2 ♂♂ 1 ♀ (fine).

*Gyracampa affinis*? 1 ♂ (had signed much sycamore for the  
Hixon (in letter 3/10/33) says he is certain there is a species)

30th May 1933. A fine day with much sun, spoiled a little  
by strong gusts of wind off hills & followed by heavy rain &  
broken weather.

Deerpark, Courmest Co. Sl., with E. O'Malley.

Left car in drive opposite sawmill & walked up rim & tributary  
beyond the reservoir & back below cliff to deer shed near  
fall & then to car. 11.0 AM till 6.0 PM.

*Bombus lucorum* 2 or 3 ♀♀ alone seen.

*Halictus* 1 ♀, probably *frugiper*, seen. *Andrena albicans* 1 ♀ seen.

*Verpa* (*myrtilis*?) 1 or 2 ♀♀ seen. [No other aculeata].

*Tenthredella atra*, *mesomela*, *linda* & *peruviana* seen.

*Tenthredopsis* ♂♂ frequent, only 2 ♀♀ <sup>dark tarsi</sup> seen & red, <sup>thought</sup> home.

*Dolichopus* <sup>haematodes 1 ♂ & D. niger 4 ♀</sup> 2 ♂♂ in upper marsh below reservoir.

*D. areolaris* several seen. *D. germani* several taken.

*D. ferrugineus* 2 ♀♀ in marsh flat, E. of rim, & below shed.

on deer, near fall, 1 ♂ & 1 ♀ taken on

*Loderus vestigiatus* 1 dark var. of ♀.

*Dineura rufidorsata* 2 ♀♀, taken out of bird.

*Thrinax macula* 1 ♀ E. O.M. 1 ♂ (fine) taken out of bird.

*Selandria* <sup>justinburgensis</sup> 2 ♂♂ E. O.M. 1 ♂ (fine) taken out of bird.

*Argy fusipes* 1 fine ♂ taken out of oak on bird.







2<sup>nd</sup> June 1933. A perfect evening: very hot & soft: sunny.  
Garden at 14 Clarendon Rd., Harold's Cross, DU.  
6.30 till 7.30 P.M. Mostly at White or Red Currant.

*Pteronidea rufescens*? ♀ seen, not-captured.

*Pristiphora pallipes* 1♀ <sup>seen</sup> on White currant.

*Hoplocrampa crataegi* 1♀ <sup>seen</sup> on White currant on wall next road.

*Pimpla maculator* ♀ on Ellis's lilac; not kept.

*Homocidus fuscicornis* 1 fine ♀. *H. pictus* ♂♂ & ♀♀ (4).

*H. pictus* 1♀

*Mesoleius* ♂♂ & ♀. *Mesoleius* ♂♂ & ♀.

both on White & red currants.

*Leptocryptus* ♂ on lilac.

♂ *Cryptus*

*Chalcid* ♂ on lilac.

*Chalcid* ♂ on lilac.

*Oedematopis scabripes* 1♀.

*Aspilota ruficornis* ♂ seen in water lilies, not taken.

*Apanteles* ♂ on White currant.

*Cynipid* ♂ on White currant.

*Bombus terrestris* 1♀ on columbine at 5.15 pm.

*B. lucorum*? 1♀ on juniper. *B. jonellus* 1♀ on M. leaf at 5.15 pm.

*Crabro varius* abundant. *C. leucostomus* several seen.

*Vespa* 1♀ seen (*uliginosa* or *permanica*).

4<sup>th</sup> June 1933. Very hot, soft, & almost all sunny, with slight southerly breeze.

Drove to Ballyhenry & spent half an hour in marsh between main & Killoughtra roads; then on to top of Clara oak wood, where spent day, G.W.I.

11.15 till 11.45 AM.

Marsh S. of Ballyhenry, G.W.I.

*Ichneumon palustris* ♂♂ abundant along E. drain.

*D. heemstede* 1♀

*Lodermus vestigiatus* 1♂ black form.?

*Chalcid* ♂ on Red Currant.

*Glypta elongata* 1♂, 1♀ in field E. of main marsh.



78. / 4.6.33 cont.

12-30 till 6.0 PM. Clara Oakwood, C.W.

Mostly collected around the Osmunds glade &  
between that & the Crony Burn!

Bombus muscorum ♀♀ seen. B. lucorum ♀♀ seen.

[Vaccinium on & no Junellus seen!]

Prithyrus quadricolor several old worn ♀♀ seen (1 taken)  
 & several fresh ♂♂ seen (1 taken in upper wood).

A few aculeatus seen on sand flat: now nearly destroyed by dragging timber across it.

*Verpa austriaca* ♀ seen in glade.

Myloxenus <sup>irrigator F.</sup> ~~pilicornis~~ ♂♂ & ♀♀ abundant at small  
dead, standing, tree stumps (3" to 6" diam.) S. of glade.

Xorides albitarsus, 2005, 39♀, taken, other mixed, at same stumps as last. On these stumps Ragium bipunct common & Proctium castaneum seen: also many small Tipulid like diptera whose flight is imitated by the ♂ Xylonomus! ♂ & ♀ given to J. & G. ...

*Pimpla* (Scl.) *mandibularis*? 1 ♀. *P. maculator* ♀

Stilpne pagata 2

Hemiteles ? 2 ♂♂.

4.6-33 cont. Glara oakwood cont. W1.

Sacrusa 1 ♀ just cast of glade by stream

D. 298 one in swamp at S. side of glade, other with last

Aspilota

Opus

Brakon







10th June 1922. After a very heavy rain, the sun came out and the temperature rose to 60° F. The wind was from the S.W. and the air was very fresh.

Most insects taken by sweeping near the road, round pools W of road, and in the garden. A few were taken off the wall in the garden after rain.

*Brachymeria* sp. 1 ♂ at 1. *Dacnusa* sp. 1 ♂ at 1.

*Opius* sp. 1 ♂ at 1. *Ichneumon* sp. 1 ♂ at 1.

*Diapriid* sp. 1 ♂ at 1. *Phaenocarpa* sp. 1 ♂ at 1.

*Aspilota* 2 ♂ at 1. *Microgaster* sp. 1 ♂ at 1.

*Hygroplitis* sp. 1 ♂ at 1. *Chorebus* sp. 1 ♂ at 1.

*Chorebus* sp. 1 ♂ at 1. *Aphidius* sp. 1 ♂ at 1.

*Gen. et sp.?* 1 ♂ at 1. *Metacoelus* sp. 1 ♂ at 1.

*Anteon*? sp. 1 ♂ taken by J. F. at 1. (near 2 specimens taken).

*Stenomacrus* *maior* Halmyr? 1 ♂ at 1.

*Dolichus* *haematodes* 1 ♂ at 1. (1 R.L.P. in garden).

*Proctos* *deletus* Thom. 1 ♂ at 1. *Promethes* sp. 1 ♂ at 1. *Pimplator* 1 ♂ at 1.

*Glypta* *elongata* 1 ♂ at 1, found J.F.P. (Humble in garden).

11th June 1922. A stormy morning, but the sun came out in the afternoon. The wind was from the S.W. and the air was very fresh.

I went to the left side of "Foot of the Hill", Atterden, Co. WI. 12 miles S. of Limerick. Later walked on to Ballymore Brook, where I found many specimens of *C. S.* and collected a few. *Dacnusa* sp. 1 ♂ at 1.

*Ichneumon* sp. 1 ♂ at 1. *Phaenocarpa* sp. 1 ♂ at 1. *Aspilota* sp. 1 ♂ at 1.

*Chorebus* sp. 1 ♂ at 1. *Aphidius* sp. 1 ♂ at 1.

*Gen. et sp.?* 1 ♂ at 1. *Metacoelus* sp. 1 ♂ at 1.

*Anteon*? sp. 1 ♂ taken by J. F. at 1. (near 2 specimens taken).

*Stenomacrus* *maior* Halmyr? 1 ♂ at 1.

*Dolichus* *haematodes* 1 ♂ at 1. (1 R.L.P. in garden).

*Proctos* *deletus* Thom. 1 ♂ at 1. *Promethes* sp. 1 ♂ at 1. *Pimplator* 1 ♂ at 1.

*Glypta* *elongata* 1 ♂ at 1, found J.F.P. (Humble in garden).

*Stenomacrus* *maior* Halmyr? 1 ♂ at 1.

*Dolichus* *haematodes* 1 ♂ at 1. (1 R.L.P. in garden).

*Proctos* *deletus* Thom. 1 ♂ at 1. *Promethes* sp. 1 ♂ at 1. *Pimplator* 1 ♂ at 1.

*Glypta* *elongata* 1 ♂ at 1, found J.F.P. (Humble in garden).

*Stenomacrus* *maior* Halmyr? 1 ♂ at 1.







*G. parvicandata* (Morgan), *Ann. Ent. Soc. Amer.* 1908, 1: 111, fig. 10.

*Stenomacrus* *maculatus* 2

*Pterostigma* ?? sp. 292.

*Griffiths* 890 55 *proform.* 77 (Chin.) 8

*Coelocarpum* f. *Phaenocarpa* *Chrida* 29954 *Angelica*

*Gyrocampa affinis* *Loew* 1893. *G. affinis* *Loew* 1893. *G. affinis* *Loew* 1893.



13.6.32. cont.

2.30 till 5.20. Sunny. No wind. Insects not seen about 100 ft.

*Pimpla* *torulosa* 100 ft. 10 ft. at 100 ft. 10 ft.

*Pimpla* *speciosa* 20 ft. 10 ft. 10 ft. 10 ft.

*P. gilvipes* 10 ft. 10 ft. 10 ft. 10 ft.

*Aphidius*

*Aphidius*

*Opis*

*Pezomachus* 10 ft. 10 ft. 10 ft. 10 ft.

*Glypt* 10 ft. 10 ft. 10 ft. 10 ft.

*Stenobothrus* 10 ft. 10 ft. 10 ft. 10 ft.

*Stenobothrus* 10 ft. 10 ft. 10 ft. 10 ft.

*Stenobothrus* 10 ft. 10 ft. 10 ft. 10 ft.

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*Stenobothrus* 10 ft. 10 ft. 10 ft. 10 ft.



*Phidra, acutata*, var. *littoralis* by *Phidra* *littoralis* from *littoralis*, flower earlier in season than *littoralis* on 11.6.33. Anthers out on 12.6.33.

16<sup>th</sup> May 1933. Garden, 14, Grosvenor St. London, —  
Bristol, England.

Polyclitus mansuetor 19(?) in part from A. after Furbush, 15.6.35.



92.

20th June 1933. A fine sunny day, but cool N. breeze kept insects hidden till about 5.30 P.M. After that more out.  
 Gorge of Upper Liffey at Athdown fort site, Co. D., as before.  
 3.30 till 7.30 P.M.  
 Many ♂♂ seen by path from road, mostly *Andrena wilkella*, which was flying in dozens.  
 A few ♀♀ *Halieta* seen at same place, probably *stigma* or *pygmaea*.  
*Homocidus cruentator* 1 ♀ seen.  
*Stenobothrus* 1 ♀ seen.  
*Aspilota* 1 ♀ seen.  
*Microgaster* 1 ♀ seen.  
*Chalcid* 1 ♀ seen.  
*Urogastrus ruficornis* (♂?) at Athdown fort.  
*Aphantus* 1 ♀ at Athdown fort.

Flies from wetty fall, on road taken near Athdown fort, on 28/5/33 found in note book 20.6.33

93.

21st June 1933. A fine sunny afternoon, but cool N. breeze kept insects hidden till about 5.30 P.M. After that more out.  
 Gorge of Upper Liffey at Athdown fort site, Co. D., as before.  
 3.30 till 7.30 P.M.  
 Many ♂♂ seen by path from road, mostly *Andrena wilkella*, which was flying in dozens.  
 A few ♀♀ *Halieta* seen at same place, probably *stigma* or *pygmaea*.  
*Homocidus cruentator* 1 ♀ seen.  
*Stenobothrus* 1 ♀ seen.  
*Aspilota* 1 ♀ seen.  
*Microgaster* 1 ♀ seen.  
*Chalcid* 1 ♀ seen.  
*Urogastrus ruficornis* (♂?) at Athdown fort.  
*Aphantus* 1 ♀ at Athdown fort.

*Anthomyia* 1 ♀ seen.  
*Chalcid* 1 ♀ seen.  
*Urogastrus ruficornis* (♂?) at Athdown fort.  
*Aphantus* 1 ♀ at Athdown fort.

P.T.O.



94.

21.6.33 cont. Athdown, W.I. cont.

Meniscus catenator 2♀♀ (one at head of rush in marsh).

Lissonota 1♂.

Glypta cratita? 1♀ at track. G. elongata ♂♂ & ♀♀ near marsh.

Pimpla hirsuticornis? 1♂.

Microctonus 2♂♂ in swampy place in marsh.

Tryphon signatus 1♂. T. subulatus 1♂.

Calopterus flavicornis 1♂. C. ruficornis 1♂.

Polycinctus reptandus 1♂. P. ruficornis 1♂.

Chorineura peruviana 2 flying along top of left bank.

Proctos latiuspinus 2♂♂ in swampy parts of marsh.

P. sulcator (black base to hind coxae) 1♂. P. ruficornis 1♂.

Euclyptus cinctus? 1♂ at top of left bank.

Cteniscus parvulus? 1♂. C. ruficornis 1♂. C. punctatus 1♂.

Cteniscus parvulus? 1♂. C. ruficornis 1♂. C. punctatus 1♂.

Cteniscus parvulus? 1♂. C. ruficornis 1♂. C. punctatus 1♂.

Cteniscus parvulus? 1♂. C. ruficornis 1♂. C. punctatus 1♂.

Cteniscus parvulus? 1♂. C. ruficornis 1♂. C. punctatus 1♂.

Cteniscus parvulus? 1♂. C. ruficornis 1♂. C. punctatus 1♂.

Cteniscus parvulus? 1♂. C. ruficornis 1♂. C. punctatus 1♂.

95.

21.6.33 cont. Athdown, W.I. cont.

Bracon flavicornis 1♂. B. ruficornis 1♂. B. punctatus 1♂.

Apanteles 1♂. A. ruficornis 1♂. A. punctatus 1♂.

Microgaster 1♂. M. ruficornis 1♂. M. punctatus 1♂.

Microplitis 1♂. M. ruficornis 1♂. M. punctatus 1♂.

Phaenocarpa 1♂. P. ruficornis 1♂. P. punctatus 1♂.

Saenusa 1♂. S. ruficornis 1♂. S. punctatus 1♂.

Oenone flavicornis 1♀ on bird on top of left bank.

Gyracampa affinis 1♀ in marsh.

Chasmodon viridis ♂♂ & ♀♀ in marsh.

Aspilota 1♀ in marsh.

Aphidius 1♂. A. ruficornis 1♂. A. punctatus 1♂.

Aphidius 1♂. A. ruficornis 1♂. A. punctatus 1♂.

Aphidius 1♂. A. ruficornis 1♂. A. punctatus 1♂.

Aphidius 1♂. A. ruficornis 1♂. A. punctatus 1♂.

Aphidius 1♂. A. ruficornis 1♂. A. punctatus 1♂.

Aphidius 1♂. A. ruficornis 1♂. A. punctatus 1♂.

Aphidius 1♂. A. ruficornis 1♂. A. punctatus 1♂.

Aphidius 1♂. A. ruficornis 1♂. A. punctatus 1♂.

Aphidius 1♂. A. ruficornis 1♂. A. punctatus 1♂.







25.6.33

*Stomoxys calcitrans* L.

*Zetopha ruficornis* L.

*Stomoxys calcitrans* L. 25.6.33

*S. curvicauda* ?

*Stomoxys* sp.

*Catophter pulch.* 25.6.33

*Catophter pulch.* 25.6.33

*Euryphanta* ?

*Tremulic* ?

10, 14, 9 different spp.

*Tremulic* ?

*Prinipoda glabra* ?

*Campoplex* 10.11.33

*Angitia* 10.11.33

*Olesicampe* 10.11.33

25.6.33

*Stomoxys calcitrans* L.

*Zetopha ruficornis* L.

*Stomoxys calcitrans* L. 25.6.33

*S. curvicauda* ?

*Stomoxys* sp.

*Catophter pulch.* 25.6.33

*Catophter pulch.* 25.6.33

*Euryphanta* ?

*Tremulic* ?

10, 14, 9 different spp.

*Tremulic* ?

*Prinipoda glabra* ?

*Campoplex* 10.11.33

*Angitia* 10.11.33

*Olesicampe* 10.11.33

Hemiptera

25.6.33



25th Dec 1909

7.30 AM

Windy

Along the road

*Spilomecon* by the road

26th Jan 1910  
Early afternoon, rather cold

W. wind rather strong, a few very light snow

*Brilliant* <sup>"Kilbuck's"</sup> put a few

between Athy's Castle and the E.O.M. & All Old

Very nice ground, woods & plantation, grassy  
hill top with much *Scabiosa caucasica*, *Carduus palustris*  
(or stems of which are many like before seen) & the  
hill seems to be composed of sand & gravel & marl  
& has a sandpit at N. end just below the old ring  
fort. Much birch & ash, some plantation has  
been cut.

W. 10.15 AM

Along the road

Along the road

Along the road

Along the road

Along the road

Along the road

Along the road

Along the road

Along the road

Along the road

Along the road

Along the road











2.7.33 cont. *T. ...* ...

*Belg...* ...

*Dolerus pectorator* ...

*Tenthredo* ...

*Helicoverpa* ...

*Le...* ...

*Amphigenia* ...

*Eup...* ...

*Stenodonta* ...

*Hemiteles* ...

*Glypta* ...

*Monocentrus* ...

*Bassus* ...

*Stenomacrus* ...

*Mesoleptus* ...

*Sp. with yellow sutures* ...

*Omura* ...

*Meloboris* ...

*Cremona* ...

*Leptopygus* ...

*Leptopygus* ...

*T...* ...

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3.7.33 cont

Ballinacorney Lough, 100 yds. from shore, at  
 of the low lying, at Ballinacorney, near Ballinacorney,  
 which was very puzzling, as the specimens  
 wanted a specimen.

Shore of Ballinacorney Lough (cont), near Ballinacorney,  
 Co. Westmeath, & scrub along road between  
 Lough & road. <sup>Labelled</sup>  
 "3.7.33"

11.30 to 1.30 P.M. = 1      6.0 to 8.0 P.M. = 2

*Bombus agrorum* & *lucorum*, ♀♀ of former 25 at 1.  
*Halictus* 1 ♀ seen 1 *Proctos*, *Suggerina* 1 ♀

*Pasiphaea* *monticola*, etc. common in scrub, in shade.

*Crabro dimidiatus* ♂, *C. hypostomus* ♂.

*Dolerus nigratus* ♂, at *Quintus* *lucorum* at 1.

*D. ferrugineus* ♀ on lake shore (5 dm) at 2.

*Fenella nigrita* 1 ♀ on 1.5 m. 2 cm. 1 field near 1.

*Atthalia* & *Tenthredinidae* *variegata* seen.

*Ichneumon* sp. 1 ♂.

*Glypta elongata* ♂♂ abundant in scrub, 1 ♂ on  
 stem of pure colony of *Quintus* *lucorum* at 1.

More abundant at 1, but many also seen at 2.

3.7.33 cont. Lough, 100 yds. from shore.

Shore of Ballinacorney Lough, 100 yds. from shore.

Shore of Ballinacorney Lough, 100 yds. from shore.

Shore of Ballinacorney Lough, 100 yds. from shore.

Shore of Ballinacorney Lough, 100 yds. from shore.

Shore of Ballinacorney Lough, 100 yds. from shore.

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Shore of Ballinacorney Lough, 100 yds. from shore.

Shore of Ballinacorney Lough, 100 yds. from shore.

Shore of Ballinacorney Lough, 100 yds. from shore.

Shore of Ballinacorney Lough, 100 yds. from shore.

Shore of Ballinacorney Lough, 100 yds. from shore.

Shore of Ballinacorney Lough, 100 yds. from shore.

Shore of Ballinacorney Lough, 100 yds. from shore.



2.7.33 cont. ...  
... ..

*Smecia rufipes*? 2 large specimens swept by ...  
... orange & smaller, labelled, insect ...  
... edges. 10.15

*Small ...* ...  
*Glypta ...* 1 ♀ swept ...  
... red & black ...

*Bracon* ...  
*Phaenocarpa eugeniae* 1 ♀ swept ...  
*Apanteles*

*Proctos* 2 ex. one swept by ...

9th July 1933  
Taken by E. O'Malley  
in flow of ...  
near ... Hall  
C. O. ...  
...  
...  
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10th July 1933  
Saw ...  
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*Glypta ...* 1 ♀ swept ...  
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7.7.33 ...  
... ..



*Habitus* - medium dense, erect, branched at top.

*Colletes punctipennis* 24.9.98 at 1000 ft

The spec. must be my common knowledge.

Cratichneumon, atratus, 298, & abundant in at.

lined willow log <sup>at</sup> ~~near~~ back part of No. 1000

*Mollusca* *Verpa* *Verpa* *Verpa*

Odysseus, past & dead they are, yet, nations of the

Somphiles gibber 299 & gibber 299

*Pemphredon shuckardi* 1 ♀ at 1, on both, just 1/2

[*Dicondyphus bicolor* Hal. A ♀ of this species, emerged from a small white cocoon, blade of grass ca. 15.7.33 (Rialto, Italy), collected on clump during lunch at Tormentone, but was unfortunately not labelled & the insect not observed till it had died. (G.S.)

Me. 1000







13th Feb. 1900. G. Hall. San Jose, Cal.  
 2nd day of the day. Very warm & bright.  
 The wind is from the south & the  
 sand is very dry. The ground is very  
 dry & the plants are very dry.  
 The wind is from the south & the  
 sand is very dry. The ground is very  
 dry & the plants are very dry.

Sand pits near County Hotel, San Jose,  
 California. Feb. 13th. 11.30 AM.

*Bombus lucorum* 1 specimen. 100 ft. high.  
*Andrena coitana* ♀ (C.F.). *Sphacodes* 1 specimen.  
*Melissodes* 1 specimen. *Halictus* 1 specimen.  
*Pachyproctus* 1 specimen. 100 ft. high.  
*Textor* 1 specimen. 100 ft. high.  
*Selam* 1 specimen. 100 ft. high.  
*Hemiteles* 1 specimen. 100 ft. high.  
*Lissonota* 1 specimen. 100 ft. high.  
*Sagittaria* 1 specimen. 100 ft. high.

*Rhyssa* 1 specimen. 100 ft. high.  
*Euphor* 1 specimen. 100 ft. high.  
 3 insects.

14th Feb. 1900. G. Hall. San Jose, Cal.  
 3rd day of the day. Very warm & bright.  
 The wind is from the south & the  
 sand is very dry. The ground is very  
 dry & the plants are very dry.  
 The wind is from the south & the  
 sand is very dry. The ground is very  
 dry & the plants are very dry.

*Bombus* 1 specimen. 100 ft. high.  
*Andrena* 1 specimen. 100 ft. high.  
*Melissodes* 1 specimen. 100 ft. high.

*Pachyproctus* 1 specimen. 100 ft. high.  
*Textor* 1 specimen. 100 ft. high.  
*Selam* 1 specimen. 100 ft. high.

*Hemiteles* 1 specimen. 100 ft. high.  
*Lissonota* 1 specimen. 100 ft. high.  
*Sagittaria* 1 specimen. 100 ft. high.

*Rhyssa* 1 specimen. 100 ft. high.  
*Euphor* 1 specimen. 100 ft. high.  
 3 insects.

*Bombus* 1 specimen. 100 ft. high.  
*Andrena* 1 specimen. 100 ft. high.  
*Melissodes* 1 specimen. 100 ft. high.



13.7.32, cont.

*Sarcophaga* *obovata* *labialis* *longipes* *2.000*

*Laurea* *ambigua* *2* = the allotype of Nixon's *D. curtipalpi* *11.9.4.76* *Nixon*

*Aparitea* *primitiva* *15* *11.9.4.76* *Nixon*

*Adonia* *12* *11.9.4.76* *Nixon*

*Phyga* *lucida* *1* *11.9.4.76* *Nixon*

*Opus* *1* *11.9.4.76* *Nixon*

*Aphidius* *1* *11.9.4.76* *Nixon*

2 Ichneumonids (one of which is a long "lost" one to be identified)

*Phaenocarpa* *1* *11.9.4.76* *Nixon*

*Bombus* *1* *11.9.4.76* *Nixon*

*Vespa* *1* *11.9.4.76* *Nixon*

*Odynerus* *1* *11.9.4.76* *Nixon*

*Phaenocarpa* *1* *11.9.4.76* *Nixon*

*Phaenocarpa* *1* *11.9.4.76* *Nixon*

*Phaenocarpa* *1* *11.9.4.76* *Nixon*

*Phaenocarpa* *1* *11.9.4.76* *Nixon*

*Phaenocarpa* *1* *11.9.4.76* *Nixon*

*Phaenocarpa* *1* *11.9.4.76* *Nixon*

*Phaenocarpa* *1* *11.9.4.76* *Nixon*

*Phaenocarpa* *1* *11.9.4.76* *Nixon*

*Phaenocarpa* *1* *11.9.4.76* *Nixon*

*Phaenocarpa* *1* *11.9.4.76* *Nixon*

*Phaenocarpa* *1* *11.9.4.76* *Nixon*

*Phaenocarpa* *1* *11.9.4.76* *Nixon*

*Phaenocarpa* *1* *11.9.4.76* *Nixon*



Apr. 7 33 out for ...

*Luzula* ...

*Setaria* ...

*Opuntia* ...

*Stachys* ...

*Stachys* ...

*Chenopodium* ...

*Hemerocallis* ...

*Graminis discolor* ...

*B. ...*

*Melospiza cinerea* ...

*M. ...*

Apr. 7 1933 afternoon ...

Willamette, Co. H.K. ...

*Setaria* ...

*Chenopodium* ...

*Phytolacca* ...

*Sagittaria* ...

*Phytolacca* ...

*Amelanchier* ...

*Plectiscus* ...

*Olyria* ...

*Olyria* ...

*Olyria* ...

*Olyria* ...

*Olyria* ...

*Olyria* ...

*Olyria* ...

*Olyria* ...

Apr. 7 1933. A fine day, with ...

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15.7.33 cont. *Staph. ...*

*Andrena ...*

*A. ...*  
just ...

*Halictus ...*  
*H. ...*

*Lasius ...*

*Alia ...*

*Cintra ...*  
brought ... on 19th August.

*Ter ...*

*Le ...*

*Pimpla ...*

*Homocidus ...*

*E ...*

*St ...*

*M ...*

*S ...*

*B ...*

15.7.33. Heeds at ...

... Co. ...

this by ...

Mostly small ...

... *Vaccinium* ...

... *...*

...

...

...

...

...

...



15722 cont.

*Helix* ...  
*Epis* ...

15723

*Epis* ...

*Asp* ...  
*Orthostigma* ...  
*Pachy* ...

16th July 1911

From home for ...  
 to collect by ...  
 water, at Shantully ...  
 & later at Emu ...

Roadside at Rockfield, <sup>21</sup> ...  
 Shantully, <sup>22</sup> ...  
*Bombus lucorum*, ...  
 at home at 2.

...  
 ... 6th ... 72.34

...  
 ...  
 ...

...  
 ...  
 ...



16.7.33 cont

Stomach

Intest

*Ornithoglossum*

*Glomus*

*Maritima*

*Boleophthalmus*

*Cyprina* - *Maritima* - *capensis* - *maritima* - *capensis*

*Argopecten*

*Brachidontes*

at the bottom of the shell

at the bottom of the shell

at the bottom of the shell

at the bottom of the shell

at the bottom of the shell

at the bottom of the shell

at the bottom of the shell

at the bottom of the shell

*Verpa* - *argyrea* - *argyrea*

*Verpa*

*Verpa* - *argyrea* - *argyrea*

*Verpa* - *argyrea* - *argyrea*

*Verpa* - *argyrea* - *argyrea*

*Verpa* - *argyrea* - *argyrea*

*Verpa* - *argyrea* - *argyrea*

*Verpa* - *argyrea* - *argyrea*

*Verpa* - *argyrea* - *argyrea*



22.7.33. *Grass* 100 ft. 6.4.2. 100 ft.

*Spalt* 100 ft. 8. 100 ft.

*Grass* 100 ft. 100 ft.

*Grass* 100 ft.

*Grass* 100 ft. 100 ft.

*Grass* 100 ft. 100 ft.

*Grass*

22.7.33. *Grass* 100 ft. 6.4.2. 100 ft.

*Bombus lucorum* 100 ft.

*Pyromela rufipes* 100 ft.

*Crabro chrysotoma* 100 ft.

*Tenthredinella atra* 1 large ♀. 100 ft.

*Selandria* ? 100 ft.

*Selandria* ? 100 ft.

3 or 4 *Cryptid* ?

*Hermitia* ? 100 ft.

*Glypta 'rostrata'* ♂.

*Perichorus* ? 100 ft.

*Perichorus* ? 2 or 3, 100 ft.

*Promethes* 100 ft. *Hemiteles* 100 ft.

*Sagaritis* 100 ft.

22.7.33. *Grass* 100 ft. 6.4.2. 100 ft.

*Grass* 100 ft. 100 ft.

*Grass* 100 ft. 100 ft.

*Grass* 100 ft.

*Grass* 100 ft. 100 ft.

*Grass* 100 ft. 100 ft.

*Grass* 100 ft. 100 ft.

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22.7.33. *Grass* 100 ft. 6.4.2. 100 ft.

*Grass* 100 ft. 100 ft.

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*Grass* 100 ft. 100 ft.

*Grass* 100 ft. 100 ft.

*Grass* 100 ft. 100 ft.

*Grass* 100 ft. 100 ft.

*Grass* 100 ft. 100 ft.



*[Faint handwritten notes at the bottom of the page]*

Green

to be in

Apanteles

*Rhagoa irregularis* 1 ♀

*D. sp?* large sp., 31-jointed antennae, basal segment scarcely longer than broad. AWS 237.33.

1 This ♀ returned by Nixon labelled "sp" near Lemula Hal AWS. 9-11-1936

*D. rotundirentre*, 1 ♂, with 31 & 32 joined anteriorly, rather small. A.M.V. 15.7.75

There is a small pond in the middle of the field.



24.7.33

Kre<sup>45</sup> ...

Chel...

Zele ...

Brac...

Phenocarpa ...

Aspilota ...

Pico...

Very wet & no collection made in afternoon of 24.7.33.

25<sup>th</sup> July 1933 Wet misty rain till mid day, fine & sunny but windy & mainly dull & very warm.

In morning walked up lane off Stags road, Boreham, D., & with help of Nixon & his vacuum collector took some notes on Aphid-covered thistles (*C. arvensis*). Ichneumonidae ...

Stenomacrus of prolegata ...  
attractodes? ... Glypta ...

Pimpla ... Promethes ...

Enochus ... 19.

Miomis ...

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*Sporonema dryobryi* is swept by reason along branch of scrub.

Truck is in

*Pentstemon*, yellow head, 60 ft. do do, red above, 28 ft. approx.

Crinaster, anserina, ♀



*Lissonota pallipes* n. sp.

*Dacnusa rotundiventris* "These are *D. raietta* Nixon, 1968 (1971) 1972  
4 ♂♂ / 1 ♀ (1 ♂ taken in Nixon)

of "walled" pool at cottage, among 1000

*E. abdita* s. *muscula* f. *lutea* h. *hexan.* 2 *arab.* + *...*

Pyrocampa affinis 49 in marshy field below Ford. J. nebulosa 50  
taken 6, Miconia

\_\_\_\_\_

S. of Manzanillo; S. of San Felipe; S. of San Juan.

\_\_\_\_\_



28 7.33 cont. Tuesday July 31st 1933. Co. 22.

28.7.33 cont. Early field. 8 am. 1st. 1st. 1st.

Manxmillon, Co. 22. 2.33. 1st. 1st. 1st.

1st. 1st. 1st.

1st. 1st. 1st.

*Limnephila* sp.

*Limnephila*

*Limnephila*

*Limnephila* sp. 1st. 1st. 1st.

*Limnephila* sp. 1st. 1st. 1st.

*Rhyssa* sp. 1st. 1st. 1st.

1st. 1st. 1st.

*Dacnusa* sp. 1st. 1st. 1st.

*D. macropoda* (1st. 1st. 1st.)

*Spilophora* sp. 1st. 1st. 1st.

28 7.33 cont. Tuesday July 31st 1933. Co. 22.

Very early morning. 8 am. 1st. 1st. 1st.

1st. 1st. 1st.

1st. 1st. 1st.

1st. 1st. 1st.

1st. 1st. 1st.

29.7.33. A fine fine day. 1st. 1st. 1st.

After 6.30 am. Very early. 1st. 1st. 1st.

Spent morning clearing up. 1st. 1st. 1st.

1st. 1st. 1st.

1st. 1st. 1st.

1st. 1st. 1st.

1st. 1st. 1st.

29.7.33 cont. Tuesday July 31st 1933. Co. 22.

Sand of plantation. 1st. 1st. 1st.

1st. 1st. 1st.

1st. 1st. 1st.

1st. 1st. 1st.

1st. 1st. 1st.

1st. 1st. 1st.

1st. 1st. 1st.

1st. 1st. 1st.

*Limnephila*  
(*Pseudolimnephila*) fide J.S. Collin, 1934.  
*truncatella* Fall

P.T.O.



*Gyrocampa affinis* small ♀ (AUC) 1. 10. 1900.  
*Dacnusa pectorica* 2 black over one 1/2 black, common in plantations.  
 D. <sup>minor also kept</sup> *clivata* 1 red ♂ (minor), 1 black ♀ common.  
*D. adducta* (minor) 2 ♀ (AUC). 1 female ♂ (minor).  
*D. <sup>fulvipes</sup> ~~talaris~~* ♂, in drain across cleared space in plantation.  
*D. amplifrons* 1 ♀ swept by Nixon in plantation & from house.  
*D. areolaris* ♂♂ & ♀♀, in plantation & drain.







1st August 1972

Left bank of the River, ... at ...

All insects, including ... taken by sweeping ...

...

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...

*Zostera* ... *impolita* ...

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1.8.72 cont.

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27 Aug. 1927. Very fine day. Went to the beach at Ballyhenry, Co. Wick. Found a lot of shells. Collected by picking up the shells that were washed up on the beach. Found a lot of shells, but only collected by picking up the shells that were washed up on the beach. Found a lot of shells, but only collected by picking up the shells that were washed up on the beach. Found a lot of shells, but only collected by picking up the shells that were washed up on the beach.

28 Aug. Sucked off garden a little, but no insects at Ballyhenry, Co. Wick. Found a lot of shells. Collected by picking up the shells that were washed up on the beach. Found a lot of shells, but only collected by picking up the shells that were washed up on the beach. Found a lot of shells, but only collected by picking up the shells that were washed up on the beach.

29 Aug. 1927. Very fine day. Went to the beach at Ballyhenry, Co. Wick. Found a lot of shells. Collected by picking up the shells that were washed up on the beach. Found a lot of shells, but only collected by picking up the shells that were washed up on the beach. Found a lot of shells, but only collected by picking up the shells that were washed up on the beach.

30 Aug. 1927. Very fine day. Went to the beach at Ballyhenry, Co. Wick. Found a lot of shells. Collected by picking up the shells that were washed up on the beach. Found a lot of shells, but only collected by picking up the shells that were washed up on the beach. Found a lot of shells, but only collected by picking up the shells that were washed up on the beach.

31 Aug. 1927. Very fine day. Went to the beach at Ballyhenry, Co. Wick. Found a lot of shells. Collected by picking up the shells that were washed up on the beach. Found a lot of shells, but only collected by picking up the shells that were washed up on the beach. Found a lot of shells, but only collected by picking up the shells that were washed up on the beach.







3.8 200 ft. ...

Scrub on ...  
S. of ...  
...  
...  
...  
...  
...

...

1 specimen taken the day before ...  
4.10.33 ...

4th August 1933. Very warm, & not much rain. ...  
Fine & sunny in afternoon at 2.30 ...  
Did not go out in morning, but went to Travelling ...  
again & swept side of track & depression behind ...  
beyond scrub (=1)\* & scrub drain, & of track (=2) 3.30 ...  
Many insects brought home mounted.

In the first sweep at 2 I took a very green (I am afraid) ...  
with enormous head & legs, like ... wasps. Its ...  
suggests a possible form of *Aspilota* & two others ... with similar ...  
head, but ... wasps, taken during afternoon ... the ...  
previous afternoon). The wings is like ...

\* These taken at 1 not mounted, but those taken at 2 are labelled Travelling (2), etc.

4.8 300 ft. ...

...  
...  
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...















7th August 1922. Offshore. ...  
 Left ... about ...  
 in ...  
 fruit ...  
 till vegetation becomes ...

*Pimpla* ...

*P. ...*

*Apanteles* ...

*Bracon* ...

*Apanteles* ...

*Opomyza* ...

*Aspilota* ...

*Pentapleura* ...

*Dacnusa* ...

*D. gilvipes* ...

*D. lateralis* ...

*Chorebus* ...

8th August 1922. ...  
 ...  
 ...

...

...

...

...

...

[In ...]



9th Aug 1899  
 2 strong ...  
 ...

8 Bullock, G.D., ...  
 Bombus agrorum 10 ...  
 Pterocera ...

...  
 Lasiocera ...  
 Euclyptus ...  
 ...

Cypselus ...  
 Rhago ...  
 Chlorocentrus ...

Microdorus ...  
 ...  
 ...

Pentapleura ...  
 Aspilota ...

Dacnusa ...  
 D. ...  
 Chalcid ...  
 Raon ?

...

...

...

... 1st ...

...

...

...



*D. decemata* 8000, 297 at 112, some dark, some red. 1 sp. 14, max. red, 14.  
*D. sp. 2 (sp. CC.)* 19, 10 of 100. 14 (at 9). 1 sp. 14, max. red, 14.

*Gyrocampa affinis*, 1 male (5.1.2). *Locheuma*, 1 male (10.1.2)  
*Gnamptodon parvulus*, 10' at 1. *Opius*, 10' at 1. & 2 (10.1.2)

\_\_\_\_\_



12<sup>th</sup> August 1933  
 Lymington  
 Stopped at village of Lymington, Hants.  
 for lunch & to collect in fields  
 near Lymington west of village.

Windy, clearing, midday, sun at intervals.  
 mid-afternoon of strong rain.  
 Stopped at 1.30 till 2.30 p.m.  
 1.30 till 2.30 p.m.

Bunch of *Urtica* & *Urtica* leaves from 100 yds.  
 subsequently found to be *Urtica* leaves from 100 yds.  
 (each) 1933. These 45 *Urtica* leaves.

Bunch of young caterpillars from 100 yds.  
 on 12<sup>th</sup> July 1933. *Urtica* leaves, *Urtica* leaves.

- Pteronidea myrtilloides* 15
- Phaeogenes* 10
- Merisus* 10
- Acridactyla degener* 15
- Hemiteles* 10
- Stenomacrus* ?
- Brachypterus* 15
- Opis* 1
- Alysia ruficeps* 1
- Aspilota* 1

12<sup>th</sup> August 1933  
 Lymington  
 Stopped at village of Lymington, Hants.  
 for lunch & to collect in fields  
 near Lymington west of village.

12<sup>th</sup> August 1933  
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 Stopped at village of Lymington, Hants.  
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12<sup>th</sup> August 1933  
 Lymington  
 Stopped at village of Lymington, Hants.  
 for lunch & to collect in fields  
 near Lymington west of village.

13<sup>th</sup> August 1933  
 Did not go out in morning, a mild rain  
 all afternoon & evening. Caught one *Urtica* on 12<sup>th</sup> July  
 outside Lymington. 12<sup>th</sup> July. *Urtica* leaves from 100 yds.  
 to 100 yds. beyond Lymington.



7) April 17. 1892. Taken at the same place. Same.

of the main hall but the grounds are

Bombus muscorum & juveniles frequent in leaf.

at least 1,500 ft.

13. Apr 1922. d. 1. descente

Apis mellifica ♀♀ abundant on the L. & L. 1200 feet

14.8.50 - 9/10/1950







16.8.32 cont. near: along S. side of road  
 about 1/2 mile from the bridge at foot of hill.  
*Helix* *calceata* com. common. *H. elliptica* com.  
*H. fagorum* at end of road.  
*Crataegus* *potiniana* at end of road.  
*Mollusca* *caesia*.  
*Chrysomelids* large ones on the leaves.

*Allantia* *cinerea* 3 on the hillside.

*Linum* *catenaria* 1 on the hillside.

*Ranunculus* *repens* 1 on the hillside.

*Potentilla* *anagyris* 1 on the hillside.

*Thymus* *praecox* 1 on the hillside.

*Phacelia* *retusa* 1 on the hillside.

*Aspilota* *distans* 247. 4 of 2.

*Chaenura* *angustata*

*Daemona* *areolaris* 1/2 dozen in top of cliff.

*D. calyptrogaster* Nixon 1937. 1/2 dozen in top of cliff.

about 20 feet above strand at S. end of cliff.

*D. leptogaster*? Very black. *Gyrinus* *affinis* 1 on the hillside.

*Ephedrus* 1 on the hillside.

16.8.32 cont. near: along S. side of road.

Collected { *G. calceata* at 16.8.32 }  
 { *H. elliptica* at 16.8.32 }  
 { *H. fagorum* at 16.8.32 }

*Helix* *calceata* com. common. *H. elliptica* com.

*H. fagorum* at end of road.

*Crataegus* *potiniana* at end of road.

*Mollusca* *caesia*.

*Chrysomelids* large ones on the leaves.

*Allantia* *cinerea* 3 on the hillside.

*Linum* *catenaria* 1 on the hillside.

*Ranunculus* *repens* 1 on the hillside.

*Potentilla* *anagyris* 1 on the hillside.

*Thymus* *praecox* 1 on the hillside.

*Phacelia* *retusa* 1 on the hillside.

*Aspilota* *distans* 247. 4 of 2.

*Chaenura* *angustata*

*Daemona* *areolaris* 1/2 dozen in top of cliff.

*D. calyptrogaster* Nixon 1937. 1/2 dozen in top of cliff.

about 20 feet above strand at S. end of cliff.

*D. leptogaster*? Very black. *Gyrinus* *affinis* 1 on the hillside.

*Ephedrus* 1 on the hillside.







18th August 1911. Afternoon.  
 Benmore College & field work.  
 Benmore College from 1.30 to 4.30 PM.  
 3.30 till 6.0 PM. See it again.  
 Thicket taken on sea of Fiddlehead Lodge.  
 Fruit of cottage and Benmore College.  
 Sweeping around the field adjacent to the

by the Benmore College.  
*Hemiteles* ...  
*Pezomachus* ...  
*Pimpla cognata* ...  
*Triclistus* ...  
*Triclistus globulipes* ...  
*Angitia* ...  
*Microbracon* ...  
*Rhyssalus* ...  
*Opius* ...  
*Dacnusa* ...  
*Chalcid* ...  
*Phaenocarpa* ...  
*Chalcid* ...  
*Bracon* ...  
*Scelion* ...

19th August 1911. Afternoon.  
 Benmore College & field work.  
 Benmore College from 1.30 to 4.30 PM.  
 3.30 till 6.0 PM. See it again.  
 Thicket taken on sea of Fiddlehead Lodge.  
 Fruit of cottage and Benmore College.  
 Sweeping around the field adjacent to the



4.15 PM.  
 Benmore College & field work.  
 Benmore College from 1.30 to 4.30 PM.  
 3.30 till 6.0 PM. See it again.  
 Thicket taken on sea of Fiddlehead Lodge.  
 Fruit of cottage and Benmore College.  
 Sweeping around the field adjacent to the







178.

19 8 33 cont. Sh. of L. T. ...

7 ...  
 10 ...  
 12 ...  
 14 ...  
 16 ...  
 18 ...  
 20 ...  
 22 ...  
 24 ...  
 26 ...  
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 84 ...  
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 88 ...  
 90 ...  
 92 ...  
 94 ...  
 96 ...  
 98 ...  
 100 ...

19 8 33 cont. 2.45 till 4.30 P.M.

Swampy ground, NE side of road, at N end of  
 Barth's Trench drainage (1/4 mile S of ... bridge)  
 Co. LF (as on 22 7-33).  
 Ametastegia ...  
 Hemiteles ...  
 Pimpla ...  
 Leptocryptus ...

179.

180 ...  
 181 ...  
 182 ...  
 183 ...  
 184 ...  
 185 ...  
 186 ...  
 187 ...  
 188 ...  
 189 ...  
 190 ...

END of ...







2nd day  
*Bellus* ...  
 All ...  
 look for ...  
 seen. I took the fly ...  
 group by ...  
*Proctos* ...  
*Brachy* ...  
*Meloboris* ...  
*Attila* ...  
*Phyllon* ...  
*Ichneumon* ...  
*Attracta* ...  
*Phygadeuon* ...  
*Prometh* ...  
*Mesochorus* ...  
*Meloboris* ...  
*Pimpla* ...  
*P. punctiventris* ...

*Braccon* ...  
*Opius irregularis* ...

2nd day ...  
 8 O'clock

He ...  
 ...

2nd day

...  
 ...

...  
 ...



30 2 22

*E. grandis*

*Simulium*

*Simulium*

*Simulium*

3rd Sept 1900.

For insects: about 10 miles N. of ...

Murray's of ... at ...

Most collected in marsh behind station & by lane leading the ... on *Pimperella* & *Lanum*, some also taken in marsh (by track to farm) about 1/4 mile N. of old station. Blinded yellow frequent ... by George, & J.A.J. Palmer ... a few ♀♀ seen & none of ... taken.

*Bombus lucorum* 1 fresh ♀, with white pollen on her feet seen gathering (nectar & pollen?) at *Angelica* & *Bramble* in lane. Very ...

*B. hortorum* ♂. *B. agrorum* & *B. lucorum* ♂♂ & ♀♀.

*B. lapidarius* ♂♂, ♀♀ & fresh ♀.

*Psithyrus torquellus* ♀. *B. campestris* ♂ (♂/♂/♂).

3 9 7

10.10.1900

*Simulium*

*Simulium*

*Simulium*

*Simulium*

3rd Sept 1900.

*Simulium* ... in marsh, ...  
*Simulium* ...  
*Simulium* ...  
*Simulium* ...

*Chistopyga rufata* ♂, somewhere in marsh.

*Chistopyga rufata* ...  
*Chistopyga rufata* ...  
*Chistopyga rufata* ...

*Simulium*?



186.

*Gemma elegans* cf. *elegans* - no. 7: Nixon agree, 2 ♀, see Ardani, 13.1.37.

only one sold which Nixon agrees, is off! 13.13%.



? = sp. ? Nixon, 13.1.37.

\_\_\_\_\_



4.9. 1911. 6.15. 1911. 2.15. 1911.  
 taken at 1911.  
 1. *Scaphisoma* sp. 2. 1911. 6.15. 1911. 2.15. 1911.  
 2. *Scaphisoma* sp. 1. 1911. 6.15. 1911. 2.15. 1911.  
 3. *Scaphisoma* sp. 1. 1911. 6.15. 1911. 2.15. 1911.  
 4. *Scaphisoma* sp. 1. 1911. 6.15. 1911. 2.15. 1911.  
 5. *Scaphisoma* sp. 1. 1911. 6.15. 1911. 2.15. 1911.  
 6. *Scaphisoma* sp. 1. 1911. 6.15. 1911. 2.15. 1911.  
 7. *Scaphisoma* sp. 1. 1911. 6.15. 1911. 2.15. 1911.  
 8. *Scaphisoma* sp. 1. 1911. 6.15. 1911. 2.15. 1911.  
 9. *Scaphisoma* sp. 1. 1911. 6.15. 1911. 2.15. 1911.  
 10. *Scaphisoma* sp. 1. 1911. 6.15. 1911. 2.15. 1911.

*Epitoma* sp. 1. 1911. 6.15. 1911. 2.15. 1911.

*Helicoverpa* sp. 1. 1911. 6.15. 1911. 2.15. 1911.

*Dacnusa areolaris* Nixon (= *Dacnusa* sp. 1911. 6.15. 1911. 2.15. 1911.)

*Proctos* 2

*Chalcid* 1. 1911. 6.15. 1911. 2.15. 1911.

*Cynipid* 1. 1911. 6.15. 1911. 2.15. 1911.

5.9.33 Collected by L. O'Malley at 11.15. 1911.  
 The Mallet, Co. W.M. 5.9.33.

*Proctos* 1. 1911. 6.15. 1911. 2.15. 1911.

*Proctos* 1. 1911. 6.15. 1911. 2.15. 1911.

*Proctos* 1. 1911. 6.15. 1911. 2.15. 1911.

*Proctos* 1. 1911. 6.15. 1911. 2.15. 1911.

*Proctos* 1. 1911. 6.15. 1911. 2.15. 1911.

5.9.33 Collected by L. O'Malley at 11.15. 1911.

*Proctos* 1. 1911. 6.15. 1911. 2.15. 1911.

7.9.33 Collected by L. O'Malley at 11.15. 1911.

*Proctos* 1. 1911. 6.15. 1911. 2.15. 1911.

*Proctos* 1. 1911. 6.15. 1911. 2.15. 1911.

*Proctos* 1. 1911. 6.15. 1911. 2.15. 1911.

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*Proctos* 1. 1911. 6.15. 1911. 2.15. 1911.

*Proctos* 1. 1911. 6.15. 1911. 2.15. 1911.

*Proctos* 1. 1911. 6.15. 1911. 2.15. 1911.



64511 June 6 7

no other

3rd inst. of 1st. 68.5 mm. 1st. inst. G.W.

most all black on 1st. inst. of 2nd. inst. 78  
back of 1st. inst. 1st. inst. 1st. inst. 1st. inst. 1st. inst.  
Larva is small. 1st. inst. 1st. inst. 1st. inst. 1st. inst.  
by streamlet behind 1st. inst. 1st. inst.

*Bombus lucorum* 1st. inst. 68.5 mm. 1st. inst. G.W.

*Psithyrus bartholemia* 1st. inst. 68.5 mm. 1st. inst. G.W.

*Vespa vulgaris*

*Pimpla dentata* 1st. inst. 68.5 mm. 1st. inst. G.W.

*Exochus* 1st. inst. 68.5 mm. 1st. inst. G.W.

1st. inst. 68.5 mm. 1st. inst. G.W.

black 7. 1st. inst. 68.5 mm. 1st. inst. G.W.

*Promethes scutellarius* 1st. inst. 68.5 mm. 1st. inst. G.W.

*Cochus* 1st. inst. 68.5 mm. 1st. inst. G.W.

*Entedon* 1st. inst. 68.5 mm. 1st. inst. G.W.

*Aspilota* 1st. inst. 68.5 mm. 1st. inst. G.W.

*Pentapleura* 1st. inst. 68.5 mm. 1st. inst. G.W.

*Pentapleura* 1st. inst. 68.5 mm. 1st. inst. G.W.

1st. inst. 68.5 mm. 1st. inst. G.W.

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1st. inst. 68.5 mm. 1st. inst. G.W.

1st. inst. 68.5 mm. 1st. inst. G.W.



1972

Ja Me. sent to Dr. Perkins - L. 10. 1879 ...











24 9 33 cont. *Thalysia* ... *Vibrio* ...  
 2.0 till ...  
*Stomatopoda* ...  
*Stomatopoda* ...  
*Stomatopoda* ...  
 All on Scaphin ...

*Vespa* ...

*Staphylin* ...

*Pemph* ...

*Linyphia* ...

*Stenom* ...

*Plectisc* ...

*Callit* ...

*Metop* ...

*Metop* ...

*Allyria* ...

*Daemusa* ...

*Chalcid* ...

*Stomatopoda* ...  
*Stomatopoda* ...  
*Stomatopoda* ...

*Stomatopoda* ...

*Stomatopoda* ...

*Stomatopoda* ...

*Stomatopoda* ...

*Stomatopoda* ...

*Stomatopoda* ...

*Stomatopoda* ...

*Stomatopoda* ...

*Stomatopoda* ...

*Stomatopoda* ...







Samples sent to Dr. Perkins at end of 1932 season: 2nd lot!

- ✓ Burnham Beeches, BTX AM Gypm. ✓ Burnham Beeches, BTX AM G. ✓ Ballyhealy, WH 29.5.32.  
1. *Pteronidea dispar* ♀, 3. *Schionura betulae* (2♀), 4. *Rhogogaster aucupariae*.

1. *Euura* ?? *atra*. ✓ BTX AM G. <sup>gleng the Burn, WI. 4.5.32.</sup> 23. *Blennocampa tenuicornis* (2♀) & *Phosphadnus pallens* (albipis) ♀ <sup>gleng the Burn, WI. 4.5.32. AWS.</sup>  
Does not agree with descr. into the gall was apparently this!

1. *Hypocampa chrysorrhoea* 12. 2. *Empria tinctus* ♀ <sup>Ennisterry, WI. 20.4.32.</sup> 3. *Blennocampa affinis* ♀ <sup>Glencullen, WI. 24.6.32.</sup> & *Pristiphora fulvipes* Fall. ♀ <sup>Co. An, WI. 30.7.32.</sup>

1. *Trichocampus cradatus* Hart. 2. *Pristiphora pallidiventris* Fall. 3. *denudata* Kon. 3. *Dineura testaceipes* Fall. <sup>meeting of the Waters, WI. 31.7.32.</sup>  
4. *Pristiphora ruficornis* ♀ <sup>Harold's, 29.7.32.</sup>

1. *Schionura betulae* 2. *Phosphadnus ephippium* V. *nigraus* (2) & *Selandria morio*? (very bad condition)  
<sup>Deputy Pan, 11.9.32.</sup> <sup>all from here to end taken by Bullock in Killarney district, VK. returned to him on 12.2.1934! AWS.</sup>

1. *Calioa aethiops* 2. *Phosphadnus ephippium*, 3. *Selandria stramineipes* 4. *Sel. temporalis*.

1. *Pristiphora fulvipes* (subsp.) bad. 2. *P. pallidiventris* ♀ very bad 3. *Emphytus tenuis* bad, 4. *Pachynematus ditellatus* ♀.

### Other side of box.

1. *Pristiphora fadi* ♀ var. 2. *Fenusella pygmaea*, 3. *Pachynematus vagus*, 4. *Blennocampa tenuicornis* (very bad)

1. *Bl. tenuicornis*, 2. *Pachynematus vagus* ♀, 3. *Hypocampa pectoralis* ♀ & *Empria* sp? This *Empria* is one of those dull pl specimens I don't know whether to refer to near *liturata* or to the subg. *Triempria* near *undulata*.

1. *Nematium luteus* 2. *Pteronidea myrtilidis* 3. *Hypocampa pectoralis* 4. *Ametastegia equiseti*.

(taken at Farrinree, CV, on crocus, by B. Faris, on 12.3.33.)

The *Bombus* appears to me to be an aberration of *lucorum*.

A year or two ago I caught a fresh ♀ in which the yellow bands were nearly white or very pale & the tail much more conspicuously stained than yours. Richards told me that such a var. was known on the Continent. On the other hand *terrestris* ♀ occasionally occurs with the tail practically like that of *lucorum*, in fact I believe the type (continental) of *terrestris* is this white-tailed form. Hence Smith named the British *terrestris* as *virginialis* Smith. Under the cotton wool is an antenna, which appears to be that of an aculeate & not belonging to any of the sawflies, & etc. there were no loose antennae in box.



10th October 1924. Dull day. Windy. Rainy.
Chilly. 1st. 12. 1st. 12. 1st. 12. 1st. 12.
Down to 10. 1st. 12. 1st. 12. 1st. 12. 1st. 12.
Water, 1st. 12. 1st. 12. 1st. 12. 1st. 12.
for half an hour at 12. 1st. 12. 1st. 12. 1st. 12.
& amongst scrub on left bank of River. 1st. 12. 1st. 12.
Barth Howard railway bridge crossing.

11.30 hrs seen. Rushy area by old road, Kilmacurragh, Co. WI

Diopisus alba. 1st. 12. 1st. 12. 1st. 12. 1st. 12.

1st. 12. 1st. 12. 1st. 12. 1st. 12.

Agonotus. 1st. 12. 1st. 12. 1st. 12. 1st. 12.

Hen. 1st. 12. 1st. 12. 1st. 12. 1st. 12.

Early. 1st. 12. 1st. 12. 1st. 12. 1st. 12.

Can. 1st. 12. 1st. 12. 1st. 12. 1st. 12.

[On this date Miss Nora Foster dug up a nest in 3 living & fresh of
Andrena seicea from a hollow in the sandstone at Bachelors, Co. Wick.]

1st. 12. 1st. 12. 1st. 12. 1st. 12.

1st. 12. 1st. 12. 1st. 12. 1st. 12.

1st. 12. 1st. 12. 1st. 12. 1st. 12.

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1st. 12. 1st. 12. 1st. 12. 1st. 12.

1st. 12. 1st. 12. 1st. 12. 1st. 12.



4-10-33. 1st day of the season.  
 Breeze strong, but not hot.  
 Sun - 100°  
 Air - 80°

Butterflies: *Phanocarpa* sp. very common, but not the *Phanocarpa* sp.  
 = *Phanocarpa* sp. 1233. (See list of specimens)

4th Oct. 1933. A beautiful day, but the weather  
 continues to be very variable. The previous days were very  
 long, the sun was out for most of the day, but there were  
 windy spots, & most insects killed by the wind. The weather  
 from via Dunbar to the coast is very variable.  
 From here, the sun is to George's Bridge, the weather is for  
 1 1/2 hours on left bank of the river, the weather is for  
*Bombus lucorum* - 1 specimen. Try at George's Bridge.  
 15 apr. at St. Peter's & in air at George's Bridge.  
*Vespa vulgaris* ♀♀ in Salix trees at St. Peter's & in air at  
 George's Bridge.  
 For other hymenoptera see next page.

4-10-33. 1st day of the season.  
 Breeze strong, but not hot.  
 Sun - 100°  
 Air - 80°

Butterflies: *Phanocarpa* sp. very common, but not the *Phanocarpa* sp.  
 = *Phanocarpa* sp. 1233. (See list of specimens)

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 From here, the sun is to George's Bridge, the weather is for  
 1 1/2 hours on left bank of the river, the weather is for  
*Bombus lucorum* - 1 specimen. Try at George's Bridge.  
 15 apr. at St. Peter's & in air at George's Bridge.  
*Vespa vulgaris* ♀♀ in Salix trees at St. Peter's & in air at  
 George's Bridge.  
 For other hymenoptera see next page.

Nixon (13/1/1937) name, this  
 is "maculipes" (Nixon?) AWS







8<sup>th</sup> Nov 1933. C. J. [unclear]  
 Lane & field [unclear]  
 N. slope of Kilmadigan, Co. [unclear]  
*Vespa* [unclear] 10 [unclear]  
*V. vulgaris* [unclear]  
 Two proctos swept in a tall [unclear]  
 along upper margin of old cultivated [unclear]

12<sup>th</sup> Nov. 1933. Glencullen, just above [unclear]  
 boundary, Co. Dub. Time - 1.0 P.M. Very sunny.  
 Beaten off [unclear] near bridge.  
*Hemiteles* ♀, off [unclear]  
 [Stilpnid also in [unclear], but I don't remember [unclear]  
 in Glencullen & fear it must have been in [unclear]  
 for some time, therefore? locality.]  
*Proctos*, off [unclear]  
*Vespa vulgaris* 44.

22<sup>nd</sup> Nov. 1933. A gloomy day, after [unclear]  
 Lane behind St. Columba's College, Co. Dub.  
*Vespa vulgaris* 1 ♀ beaten out of [unclear], & [unclear]  
 44 ♀, probably this species.



26<sup>th</sup> Nov 1933. ...  
 ...  
 ...  
 ...

6<sup>th</sup> Dec. 1933. W. side of ...  
 A dull, dry day.  
 ...  
 ...  
 ...

17<sup>th</sup> Dec. 1933. A dull ...  
 ...  
 ...  
 ...  
 ...  
 ...

NB. An extraordinarily dry December, only one really wet day (a Saturday - 2<sup>nd</sup> 9<sup>th</sup>), but very cold & frosty. While England had snow & severe frost. ... covered with snow after 9<sup>th</sup> 11<sup>th</sup> & still a few patches left on ... Bay.

26<sup>th</sup> Dec 1933. ...  
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